

# Дерматология Фицпатрика в клинической практике

# Fitzpatrick's Dermatology General Medicine

## Eighth Edition

### **LOWELL A. GOLDSMITH, MD, MPH**

Emeritus Professor of Dermatology  
University of North Carolina School of Medicine  
Chapel Hill, North Carolina  
Dean Emeritus  
University of Rochester School of Medicine and Dentistry  
Rochester, NY

### **AMY S. PALLER, MD**

Walter J. Hamlin Professor and Chair of Dermatology  
Professor of Pediatrics  
Feinberg School of Medicine  
Northwestern University  
Chicago, IL

### **STEPHEN I. KATZ, MD, PhD**

Fellow, American Academy of Dermatology  
Schaumburg, IL;  
Past President, Society of Investigative Dermatology  
Cleveland, OH;  
Director, National Institute of Arthritis  
and Musculoskeletal and Skin Diseases  
National Institutes of Health  
Bethesda, MD

### **DAVID J. LEFFELL, MD**

David Paige Smith Professor of Dermatology and Surgery  
Chief, Section of Dermatologic Surgery and Cutaneous  
Oncology  
Department of Dermatology  
Yale University School of Medicine  
New Haven, CT

### **BARBARA A. GILCHREST, MD**

Chair Emerita and Professor of Dermatology  
Department of Dermatology  
Boston University School of Medicine  
Boston, MA

### **KLAUS WOLFF, MD, FRCP**

Professor of Dermatology  
Chairman Emeritus  
Department of Dermatology  
Medical University of Vienna  
Vienna, Austria

### **MCGRAW-HILL MEDICAL**

New York Chicago San Francisco Lisbon London Madrid Mexico City  
Milan New Delhi San Juan Seoul Singapore Sydney Toronto

# Дерматология Фицпатрика в клинической практике

**Издание второе,**

*исправленное, переработанное и дополненное*

РЕДАКТОРЫ

ЛОУЭЛЛ А. ГОЛДСМИТ  
СТИВЕН И. КАЦ  
БАРБАРА А. ДЖИЛКРЕСТ  
ЭМИ С. ПАЛЛЕР  
ДЭВИД ДЖ. ЛЕФФЕЛЬ  
КЛАУС ВОЛЬФ

ПОД ОБЩЕЙ РЕДАКЦИЕЙ

д-ра мед. наук, профессора Н.Н. Потекаева  
д-ра мед. наук, профессора А.Н. Львова

НАУЧНЫЕ РЕДАКТОРЫ ПЕРЕВОДА

д-р мед. наук, профессор В.П. Адаскевич  
д-р мед. наук Д.В. Романов

ПЕРЕВОД С АНГЛИЙСКОГО

А. В. Миченко, В. А. Вороненко, Л. А. Галкина,  
К. Н. Германова, Д. С. Петелин



Москва, 2015

УДК 616.6-08  
ББК 56.8  
Д36

**Дерматология** Фицпатрика в клинической практике: В 3 т. /  
Д36 Л. А. Голдсмит, С. И. Кац, Б. А. Джилкрест и др.; пер. с англ.; общ.  
ред. Н. Н. Потекаева, А. Н. Львова. – Изд. 2-е, исп., перер., доп. – М.:  
Издательство Панфилова, 2015– . Т. 1. – 2015. – 1168 с.: ил.

ISBN 978-5-91839-060-3 (Т. 1)

ISBN 978-5-91839-059-7

В книгу ведущих мировых специалистов включены все аспекты клинической дерматологии. Это издание – мировой лидер энциклопедических сведений об эпидемиологии, медицинской биологии, генетике и иммунологии всех дерматологических заболеваний, с обновлением всего спектра современных представлений о патогенезе, симптоматике, дифференциальной диагностике и комплексному лечению как наиболее распространенных, так и редких кожных болезней. Отдельные разделы книги посвящены дерматологической хирургии и косметологии. Второе издание на русском языке соответствует полностью переработанному и в значительной степени обновленному и дополненному восьмому англоязычному изданию.

Книга предназначена для дерматологов.

**УДК 616.6-08**  
**ББК 56.8**

#### *Предупреждение*

Медицина — постоянно развивающаяся наука. Как только новые исследования и клинический опыт расширяют наши знания, требуются изменения в лечении и препаратах. Авторы и издатели этой книги проверили предоставляемую информацию на основании достоверных источников, прикладывая максимальные усилия, чтобы она была достоверной и полной, и в целом соответствовала предъявляемым стандартам на момент публикации. Тем не менее, учитывая возможность ошибки или изменений медицинских взглядов, ни авторы, ни издатель, а также никто из вовлеченных в процесс подготовки этого издания, не гарантируют, что информация, содержащаяся здесь, является точной и полной во всех отношениях, и они снимают с себя всякую ответственность за любые ошибки или упущения, либо результаты, полученные вследствие использования этой книги. Читателям рекомендуется уточнить информацию о лекарственных средствах по вложенной в упаковку каждого препарата инструкции, если они планируют назначать эти препараты, чтобы быть уверенным, что информация, содержащаяся в этой книге, верна, и что нет изменений в рекомендуемой дозе или противопоказаниях к назначению. Эти рекомендации особенно важны для новых или редко используемых лекарственных препаратов.

**ISBN 978-5-91839-059-7**  
**ISBN 978-5-91839-060-3 (Т. 1)**

Copyright © 2012 by The McGraw-Hill Companies, Inc.  
All right reserved.  
Original title: «Fitzpatrick's Dermatology in General Medicine»  
Eighth Edition  
© Перевод на русский язык, оформление  
ООО «Издательство Панфилова», 2015

# СОДЕРЖАНИЕ

Соавторы	ix
Предисловие	xxii
Предисловие к второму русскому изданию	xxiii

## Том первый

### ЧАСТЬ 1 ВВЕДЕНИЕ

#### РАЗДЕЛ 1. ОБЩИЕ ПОЛОЖЕНИЯ

- 1 Эпидемиология и бремя кожных заболеваний. . . 1  
*Martin A. Weinstock, MD, PhD u*  
*Mary-Margaret Chren, MD*
- 2 Доказательная дерматология . . . . . 10  
*Michael Bigby, MD,*  
*Rosamaria Corona, DSc, MD u*  
*Moyses Szklo, MD, MPH, DrPH*
- 3 Глобальное здоровье в дерматологии . . . . . 16  
*Roderick J. Hay, DM, FRCP, FRCPath, FMedSci*
- 4 Здравоохранение в дерматологии . . . . . 24  
*Hywel C. Williams, MSc, PhD, FRCP,*  
*Sinéad M. Langan, MRCP, MSc, PhD u*  
*Carsten Flohr, BM, BCh (Hons), MA, Mphil, MRCPCH,*  
*MSc, PhD*

#### РАЗДЕЛ 2. ПОДХОД К ДИАГНОСТИКЕ В ДЕРМАТОЛОГИИ

- 5 Структура поражений кожи и основы клинической диагностики . . . . . 29  
*Amit Garg, MD, Nikki A. Levin, MD, PhD u*  
*Jeffrey D. Bernhard, MD, FRCP (Edin)*
- 6 Типовые патологические реакции кожи . . . . . 47  
*Martin C. Mihm Jr., MD, FACP,*  
*Abdul-Ghani Kibbi, MD, FAAD, FACP,*  
*George F. Murphy, MD u*  
*Klaus Wolff, MD, FRCP*

#### РАЗДЕЛ 3. ОБЩИЕ СВЕДЕНИЯ О БИОЛОГИИ, РАЗВИТИИ И СТРОЕНИИ КОЖИ

- 7 Развитие и строение кожи . . . . . 64  
*David H. Chu, MD, PhD*
- 8 Генетика в дерматологии . . . . . 84  
*John A. McGrath, MD, FRCP u*  
*W. H. Irwin McLean, FRSE, FMedSci*
- 9 Расовые особенности: цвет кожи. . . . . 102  
*Kavitha K. Reddy, MD, Yolanda M. Lenzy, MD, MPH,*  
*Katherine L. Brown, MD, MPH u*  
*Barbara A. Gilchrest, MD*

### ЧАСТЬ 2 БОЛЕЗНИ КОЖИ И СЛИЗИСТЫХ ОБОЛОЧЕК

#### РАЗДЕЛ 4. ВОСПАЛИТЕЛЬНЫЕ ЗАБОЛЕВАНИЯ, ВЫЗВАННЫЕ РЕАКТИВНОСТЬЮ Т-КЛЕТОК И НАРУШЕНИЕМ РЕГУЛЯЦИИ

- 10 Врожденный и адаптивный иммунитет кожи . 115  
*Robert L. Modlin, MD, Lloyd S. Miller, MD, PhD,*  
*Christine Bangert, MD u Georg Stingl, MD*
- 11 Цитокины. . . . . 139  
*Ifor R. Williams, MD, PhD u*  
*Thomas S. Kupper, MD, FAAD*
- 12 Хемокины. . . . . 156  
*Anke S. Lonsdorf, MD u*  
*Sam T. Hwang, MD, PhD*
- 13 Аллергический контактный дерматит . . . . . 167  
*Mari Paz Castanedo-Tardan, MD u*  
*Kathryn A. Zug, MD*
- 14 Атопический дерматит (атопическая экзема) . . 182  
*Donald Y.M. Leung, MD, PhD,*  
*Lawrence F. Eichenfield, MD u*  
*Mark Boguniewicz, MD*

15	Нумулярная экзема, простой хронический лишай и узловатое пруриго . . . . .	201
	<i>Susan Burgin, MD</i>	
16	Везикулезная ладонно-подошвенная экзема . . .	207
	<i>Daven N. Doshi, MD, Carol E. Cheng, MD u Alexa B. Kimball, MD, MPH</i>	
17	Аутосенсibiliзирующий дерматит . . . . .	214
	<i>Donald V. Belsito, MD</i>	
18	Псориаз . . . . .	217
	<i>Johann E. Gudjonsson, MD, PhD u James T. Elder, MD, PhD</i>	
19	Псориатический артрит . . . . .	255
	<i>Dafna D. Gladman, MD, FRCPC u Vinod Chandran, MBBS, MD, DM</i>	
20	Реактивный артрит . . . . .	268
	<i>John D. Carter, MD</i>	
21	Пустулезные высыпания ладоней и подошв . . .	279
	<i>Ulrich Mrowietz, MD</i>	
22	Себорейный дерматит . . . . .	286
	<i>Chris D. Collins, MD, FAAD u Chad Hivnor, MD</i>	
23	Эксфолиативный дерматит . . . . .	295
	<i>Jane Margaret Grant-Kels, MD, Flavia Fedeles, MD, MS u Marti J. Rothe, MD</i>	
24	Красный отрубевидный волосистой лишей . . . .	309
	<i>Daniela Bruch-Gerharz, MD u Thomas Ruzicka, Prof. Dr. med. Dr. h.c.</i>	
25	Парапсориаз бляшечный и лихеноидный . . . .	315
	<i>Gary S. Wood, MD, Chung-Hong Hu, MD u Rosemarie Liu, MD</i>	
26	Красный плоский лишай . . . . .	327
	<i>Mazen S. Daoud, MD u Mark R. Pittelkow, MD</i>	
27	Блестящий лишай . . . . .	346
	<i>Mazen S. Daoud, MD u Mark R. Pittelkow, MD</i>	
28	Реакция «трансплантат против хозяина» . . . . .	350
	<i>Edward W. Cowen, MD, MHS</i>	
29	Кожные заболевания при острой и хронической иммуносупрессии . . . . .	365
	<i>Benjamin D. Ehst, MD, PhD u Andrew Blauvelt, MD</i>	

## РАЗДЕЛ 5. ВОСПАЛИТЕЛЬНЫЕ ЗАБОЛЕВАНИЯ С ВОВЛЕЧЕНИЕМ НЕЙТРОФИЛОВ И ЭОЗИНОФИЛОВ

30	Регуляция продукции и активации нейтрофилов . . . . .	382
	<i>Steven M. Holland, MD</i>	
31	Регуляция продукции и активации эозинофилов . . . . .	388
	<i>Kristin M. Leiferman, MD, Lisa A. Beck, MD u Gerald J. Gleich, MD</i>	
32	Острый фебрильный нейтрофильный дерматоз (синдром Свита) . . . . .	401
	<i>Philip R. Cohen, MD, Herbert Hönigsmann, MD u Razelle Kurzrock, MD, FACP</i>	
33	Гангренозная пиодермия . . . . .	411
	<i>Frank C. Powell, FRCPI, FAAD, Bridget C. Hackett, MB BCh, BAO, MRCPI u Daniel Wallach, MD</i>	
34	Гранулема лица . . . . .	420
	<i>David A. Mehregan, MD u Darius R. Mehregan, MD</i>	
35	Субкорнеальный пустулезный дерматоз (болезнь Снеддона–Уилкинсона) . . . . .	424
	<i>Franz Trautinger, MD u Herbert Hönigsmann, MD</i>	
36	Эозинофилы при кожных заболеваниях . . . . .	427
	<i>Kristin M. Leiferman, MD u Margot S. Peters, MD</i>	

## РАЗДЕЛ 6. ВОСПАЛИТЕЛЬНЫЕ ЗАБОЛЕВАНИЯ, СВЯЗАННЫЕ С АНОМАЛЬНОЙ ГУМОРАЛЬНОЙ РЕАКТИВНОСТЬЮ, И ДРУГИЕ ВОСПАЛИТЕЛЬНЫЕ ЗАБОЛЕВАНИЯ

37	Гуморальный иммунитет и комплемент . . . . .	444
	<i>Lela A. Lee, MD</i>	
38	Крапивница и ангиоотек . . . . .	459
	<i>Allen P. Kaplan, MD</i>	
39	Многоформная эритема . . . . .	478
	<i>Jean-Claude Roujeau, MD</i>	
40	Эпидермальный некролиз (синдром Стивенса–Джонсона и токсический эпидермальный некролиз) . . . . .	487
	<i>L. Valeyrie-Allanore, MD u Jean-Claude Roujeau, MD</i>	

41	Кожные лекарственные реакции (токсикодермия) . . . . .	498
	<i>Neil H. Shear, MD, FRCPC u</i> <i>Sandra R. Knowles, BScPhm</i>	

42	Розовый лишай . . . . .	508
	<i>Andrew Blauvelt, MD</i>	

43	Кольцевидная центробежная эритема и другие фигурные эритемы . . . . .	515
	<i>Walter H.C. Burgdorf, MD</i>	

44	Кольцевидная гранулема . . . . .	519
	<i>Julie S. Prendiville, MB, FRCPC</i>	

## РАЗДЕЛ 7. НАРУШЕНИЕ ЭПИДЕРМАЛЬНОЙ ДИФФЕРЕНЦИРОВКИ И КЕРАТИНИЗАЦИИ

45	Стволовые клетки эпидермиса . . . . .	526
	<i>Rebecca J. Morris, PhD</i>	

46	Рост и дифференцировка эпидермиса . . . . .	531
	<i>Pierre A. Coulombe, PhD,</i> <i>Stanley J. Miller, MD u Tung-Tien Sun, PhD</i>	

47	Кожа как орган защиты . . . . .	541
	<i>Ehrhardt Proksch, MD, PhD u</i> <i>Jens-Michael Jensen, MD</i>	

48	Ирритантный контактный дерматит . . . . .	555
	<i>Antoine Amado, MD, Apra Sood, MD u</i> <i>James S. Taylor, MD, FAAD</i>	

49	Ихтиозы . . . . .	564
	<i>Philip Fleckman, MD u John J. DiGiovanna, MD</i>	

50	Наследственные ладонно-подошвенные кератодермии . . . . .	598
	<i>Mozheh Zamiri, BSc (Hons), MBChB, MRCP, MD,</i> <i>Maurice A. M. van Steensel, MD, PhD u</i> <i>Colin S. Munro, MD, FRCP (Glasg)</i>	

51	Акантолитические заболевания кожи . . . . .	612
	<i>Susan Burge, OBE, DM, FRCP u</i> <i>Alain Hovnanian, MD, PhD</i>	

52	Порокератоз . . . . .	626
	<i>Grainne M. O'Regan, MRCPI u</i> <i>Alan D. Irvine, MD, FRCP, FRCPI</i>	

## РАЗДЕЛ 8. НАРУШЕНИЕ ЭПИДЕРМАЛЬНОЙ И ДЕРМО-ЭПИДЕРМАЛЬНОЙ АДГЕЗИИ, ВЕЗИКУЛЕЗНЫЕ И БУЛЕЗНЫЕ ЗАБОЛЕВАНИЯ

53	Эпидермальная и эпидермально-дермальная адгезия . . . . .	632
	<i>Leena Bruckner-Tuderman, MD u</i> <i>Aimee S. Payne, MD, PhD</i>	

54	Пузырчатка . . . . .	650
	<i>Aimee S. Payne, MD, PhD u</i> <i>John R. Stanley, MD</i>	

55	Паранеопластическая пузырчатка . . . . .	666
	<i>Grant J. Anhalt, MD u Daniel Mimouni, MD</i>	

56	Буллезный пемфигOID . . . . .	676
	<i>Donna A. Culton, MD, PhD, Zhi Liu, PhD u</i> <i>Luis A. Diaz, MD</i>	

57	Рубцующий пемфигOID . . . . .	685
	<i>Kim B. Yancey, MD</i>	

58	Линейный иммуноглобулин А- зависимый буллезный дерматоз и хроническая буллезная болезнь детского возраста . . . . .	693
	<i>Caroline L. Rao, MD u Russell P. Hall III, MD</i>	

59	ПемфигOID беременных (герпес беременных) . . . . .	700
	<i>Jeff K. Shornick, MD, MHA</i>	

60	Приобретенный буллезный эпидермолиз . . . . .	705
	<i>David T. Woodley, MD u Mei Chen, PhD</i>	

61	Герпетиформный дерматит . . . . .	714
	<i>Arash Ronaghy, MD, PhD,</i> <i>Stephen I. Katz, MD, PhD u</i> <i>Russell P. Hall III, MD</i>	

62	Врожденный буллезный эпидермолиз . . . . .	721
	<i>M. Peter Marinkovich, MD</i>	

## РАЗДЕЛ 9. ЗАБОЛЕВАНИЯ СОЕДИНИТЕЛЬНОЙ ТКАНИ И ДЕРМЫ

63	Коллагены, эластические волокна и другие белки внеклеточного матрикса дермы . . . . .	741
	<i>Thomas Krieg, MD, Monique Aumailley,</i> <i>Manuel Koch, PhD, Mon-Li Chu, PhD u</i> <i>Jouni Uitto, MD, PhD</i>	

64	Локализованная склеродермия (морфеа) . . . . .	770
	<i>Stephanie Saxton-Daniels, MD u</i> <i>Heidi T. Jacobe, MD, MSCS</i>	

65	Склеротический лишай . . . . .	780
	<i>Ulrich R. Hengge, MD, MBA</i>	

66	Гипертрофии дермы и доброкачественные фибробластные/миофибробластные опухоли . . . . .	786
	<i>Christine J. Ko, MD</i>	

67	Анетодермия и другие атрофические заболевания кожи . . . . .	798
	<i>Catherine Maari, MD u</i> <i>Julie Powell, MD, FRCPC</i>	

68	Айгнум и псевдоайгнум . . . . .	805
	<i>Robert T. Brodell, MD u Stephen E. Helms, MD</i>	

- 69 Приобретенные перфорирующие  
заболевания ..... 808  
*Julia S. Minocha, MD u*  
*Bethanee J. Schlosser, MD, PhD*

## РАЗДЕЛ 10. ЗАБОЛЕВАНИЯ ПОДКОЖНО-ЖИРОВОЙ КЛЕТЧАТКИ

- 70 Панникулиты. .... 814  
*Iris K. Aronson, MD, Patricia M. Fishman, MD u*  
*Sophie M. Worobec, MD, FAAD*
- 71 Липодистрофия ..... 839  
*Abhimanyu Garg, MD*

## РАЗДЕЛ 11. НАРУШЕНИЕ ФУНКЦИИ МЕЛАНОЦИТОВ

- 72 Биология меланоцитов ..... 849  
*Hee-Young Park, PhD u Mina Yaar, MD*
- 73 Альбинизм и другие врожденные заболевания  
с нарушением пигментации ..... 867  
*Thomas J. Hornyak, MD, PhD*
- 74 Витилиго. .... 878  
*Stanca A. Birlea, MD, PhD,*  
*Richard A. Spritz, MD u David A. Norris, MD*
- 75 Гипомеланозы и гипермеланозы. .... 891  
*Hilde Lapeere, MD, PhD, Barbara Boone, MD, PhD,*  
*Sofie De Schepper, MD, PhD, Evelien Verhaeghe, MD,*  
*Mireille Van Gele, PhD, Katia Ongenae, MD, PhD,*  
*Nanja Van Geel, MD, PhD, Jo Lambert, MD, PhD u*  
*Lieve Brochez, MD, PhD*

## РАЗДЕЛ 12. ЗАБОЛЕВАНИЯ СЛИЗИСТОЙ ОБОЛОЧКИ ПОЛОСТИ РТА И ПОЛОВЫХ ОРГАНОВ

- 76 Биология и патологические изменения  
полости рта ..... 916  
*Sook-Bin Woo, DMD*
- 77 Заболевания половых органов у мужчин ..... 944  
*Christopher B. Bunker, MD, FRCP*
- 78 Заболевания половых органов у женщин ..... 973  
*Lynette J. Margesson, MD, FRCPC u*  
*F. William Danby, MD, FRCPC, FAAD*

## ЧАСТЬ 3 ЗАБОЛЕВАНИЯ ПРИДАТКОВ КОЖИ

### РАЗДЕЛ 13. ЗАБОЛЕВАНИЯ САЛЬНЫХ ЖЕЛЕЗ

- 79 Биология сальных желез. .... 991  
*Amanda M. Nelson, PhD u*  
*Diane M. Thiboutot, MD*
- 80 Акне вульгарное и акнеформные высыпания. . 995  
*Andrea L. Zaenglein, MD,*  
*Emmy M. Graber, MD, u Diane M. Thiboutot, MD*
- 81 Розацеа ..... 1019  
*Michelle T. Pelle, MD*

- 82 Периоральный дерматит ..... 1028  
*Leslie P. Lawley, MD u Sareeta R.S. Parker, MD*

### РАЗДЕЛ 14. ЗАБОЛЕВАНИЯ ЭККРИНОВЫХ И АПОКРИНОВЫХ ЖЕЛЕЗ

- 83 Биология эккринных и апокринных  
желез ..... 1032  
*Theodora M. Mauro, MD*
- 84 Заболевания эккринных потовых желез  
и нарушения потоотделения ..... 1040  
*Robert D. Fealey, MD u Adelaide A. Hebert, MD*
- 85 Заболевания апокринных потовых желез ... 1052  
*Christos C. Zouboulis, MD, PhD u*  
*Fragkiski Tsatsou, MD, MSc, BSc*

### РАЗДЕЛ 15. ЗАБОЛЕВАНИЯ ВОЛОС И НОГТЕЙ

- 86 Биология волосных фолликулов ..... 1066  
*George Cotsarelis, MD u*  
*Vladimir Botchkarev, MD, PhD*
- 87 Волосной кератоз и другие воспалительные  
кератотические синдромы ..... 1080  
*Paradi Mirmirani, MD u*  
*Maureen Rogers, MBBS, FACD*
- 88 Нарушение роста волос ..... 1087  
*Nina Otberg, MD u*  
*Jerry Shapiro, MD, FRCPC, FAAD*
- 89 Биология и заболевания ногтей ..... 1120  
*Antonella Tosti, MD u*  
*Bianca Maria Piraccini, MD, PhD*



# СОАВТОРЫ

**Sumaira Z. Aasi, MD**

Associate Professor, Department of Dermatology, Yale University, New Haven, CT [242]

**Chris Adigun, MD**

Physician (PGY-3), Department of Dermatology, UNC-Chapel Hill, Chapel Hill, NC [174]

**Olga K. Afanasiev, BA**

Department of Dermatology, University of Washington School of Medicine, Seattle, WA [120]

**Nnenna Agim, MD**

Assistant Professor, Department of Dermatology, University of Texas Southwestern Medical Center at Dallas, Dallas, TX [142]

**Ammar Ahmed, MD**

Resident Physician, Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX [191]

**Murad Alam, MD, MSci**

Associate Professor, Departments of Dermatology, Otolaryngology, and Surgery, Feinberg School of Medicine, Northwestern University, Chicago, IL [127]

**Joseph Alcalay, MD**

Director, Mohs Surgery Unit, Assuta Medical Center, Tel Aviv, Israel [244]

**Ronen Alkalay, MD, MBA**

Mohs Unit, Assuta Medical Hospital, Tel Aviv, Israel [244]

**Tina S. Alster, MD**

Director, Laser Surgery, Washington Institute of Dermatologic Laser Surgery, Washington, DC [251]

**Antoine Amado, MD**

Resident in Dermatology, Dermatology and Plastic Surgery Institute, Cleveland Clinic, Cleveland, OH [48]

**Elliot J. Androphy, MD**

Department chair Dermatology at Indiana University School of Medicine Indianapolis, IN [196]

**Grant J. Anhalt, MD**

Professor, Department of Dermatology and Pathology, Johns Hopkins University School of Medicine, Baltimore, MD [55]

**Jack L. Arbiser, MD, PhD**

Professor, Department of Dermatology, Emory University School of Medicine, Atlanta, GA [235]

**Roberto Arenas, MD**

Professor, Department of Dermatology, University of Mexico, Mexico, DF [185]

**Iris K. Aronson, MD**

Associate Professor, Department of Dermatology, University of Illinois College of Medicine, Chicago, IL [70]

**Daniel Asz-Sigall, MD**

Resident, Dermatology, Cutaneous Oncology and Dermatologic Surgery, Department of Dermatology, ABC Hospital, Mexico City, Mexico [185]

**Monique Aumailley**

Professor, Center for Biochemistry, Cologne, Germany [63]

**Wolfgang Bäuml, PhD**

Professor, Department of Dermatology, University of Regensburg, Germany [239]

**Ruba F. Bahhady, MD**

Resident (PGY-4), Department of Dermatology, American University of Beirut Medical Center, Beirut, Lebanon [204]

**Evans C. Bailey, MD, PhD**

Lecturer, Department of Dermatology, University of Michigan, Ann Arbor, MI [124]

**Christine Bangert, MD**

Department of Dermatology, Medical University of Vienna, Vienna, Austria [10]

**Robert Baran, MD**

Honorary Professor, Department of Dermatology, Nail Disease Center, Cannes, France [245]

**Leslie Baumann, MD**

Chief Executive Officer, Cosmetic Dermatology, Baumann Cosmetic and Research Institute, Miami Beach, FL [250]

**Lisa A. Beck, MD**

Associate Professor of Dermatology and Medicine, Department of Dermatology and Medicine, University of Rochester School of Medicine, Rochester, NY [31]

**Michael H. Beck, FRCP, MBChB**

Honorary Clinical Lecturer, Occupational and Environmental Health Group, University of Manchester, Manchester, UK [96, 97]

**Jürgen C. Becker, MD, PhD**

Professor, Division of General Dermatology, Medical University of Graz, Graz, Austria [125]

**Leah T. Belazarian, MD**

Assistant Professor of Medicine and Pediatrics, Department of Medicine, Division of Dermatology, University of Massachusetts Medical School, Worcester, MA [192]

**Donald V. Belsito, MD**

Clinical Professor, Medicine (Dermatology), University of Missouri, Kansas City, MO [17]

**Paul X. Benedetto, MD**

Resident Physician, Department of Dermatology, Cleveland Clinic Foundation, Cleveland, OH [212]

**Richard G. Bennett, MD**

Clinical Professor, Dermatology,  
University of Southern California, Los  
Angeles, CA [247]

**Timothy G. Berger, MD**

Professor, Department of Dermatology,  
University of California, San Francisco,  
San Francisco, CA [182]

**Paul R. Bergstresser, MD**

Professor, Department of Dermatology,  
University of Texas Southwestern  
Medical Center, Dallas, TX [91]

**Jeffrey D. Bernhard, MD,  
FRCP (Edin)**

Professor Emeritus, University of  
Massachusetts Medical School,  
Worcester, MA [5]

**Ricardo L. Berrios, MD**

Post-Doctoral Fellow, Department  
of Dermatology, School of Medicine,  
Emory University, Atlanta, GA [235]

**Marc Beyer, MD**

Department of Dermatology and  
Allergy, Charité Universitätsmedizin  
Berlin, Berlin, Germany [145]

**Jag Bhawan, MD**

Professor, Department of Dermatology  
and Pathology, Boston University  
School of Medicine, Boston, MA [187]

**David R. Bickers, MD**

Carl Truman Nelson Professor,  
Department of Dermatology, Columbia  
University Medical Center, New York,  
NY [132]

**Michael Bigby, MD**

Associate Professor, Department of  
Dermatology, Harvard Medical School,  
Boston, MA [2]

**Stanca A. Birlea, MD, PhD**

Instructor, Dermatology and Human  
Medical Genetics Program, School  
of Medicine, University of Colorado  
Denver, Aurora, CO [74]

**Carol M. Black, MD, FRCP, FMedSci**

Professor, Centre for Rheumatology,  
University College London, London,  
UK [157]

**Andrew Blauvelt, MD**

Professor, Department of Dermatology,  
Oregon Health & Science University,  
Portland, OR [29, 42]

**Mark Boguniewicz, MD**

Professor, Department of Pediatrics,  
Division of Allergy-Immunology,  
National Jewish Health, Denver, CO  
[14]

**Mark W. Bonner, MD**

Georgia Dermatology  
Warner Robins, GA [218]

**Michael Y. Bonner, BA**

Research Associate, Department of  
Dermatology, School of Medicine,  
Emory University, Atlanta, GA [235]

**Laurence M. Boon, MD, PhD**

Center for Vascular Anomalies  
Division of Plastic Surgery St Luc  
University Hospital, Brussels, Belgium  
[172]

**Barbara Boone, MD, PhD**

Dermatologist, Ghent University  
Hospital, Ghent, Belgium [75]

**Vladimir Botchkarev,  
MD, PhD**

Professor, Centre for Skin Sciences,  
University of Bradford and Bradford,  
UK [86]

**Gerald S. Braun, MD**

Department of Nephrology and  
Clinical Immunology, University  
Hospital, RWTH University of Aachen,  
Aachen, Germany [169]

**Francisco G. Bravo, MD**

Associate Professor, Department  
of Pathology, Universidad Peruana  
Cayetano Heredia, Lima, Peru  
[182, 185]

**Alanna F. Bree, MD**

Pediatric Dermatologist, Dermatology  
Specialists of Houston, Bellaire, TX  
[142]

**Thomas Brenn, MD, PhD, FRCPath**

Consultant Dermatopathologist,  
Department of Pathology, Western  
General Hospital, Edinburgh, UK  
[129]

**Lieve Brochez, MD, PhD**

Professor, Department of Dermatology,  
Ghent University Hospital, Ghent,  
Belgium [75]

**Robert T. Brodell, MD**

Professor of Internal Medicine  
and Clinical Professor of  
Dermatopathology in Pathology,  
Department of Internal Medicine  
and Pathology, Northeastern Ohio  
Universities College of Medicine and  
Pharmacy, Rootstown, OH [68]

**Katherine L. Brown, MD, MPH**

Dermatology Resident, Department  
of Dermatology, Boston University,  
Boston, MA [9]

**Daniela Bruch-Gerharz, MD**

Professor, Department of Dermatology,  
University Hospital of Düsseldorf,  
Düsseldorf, Germany [24]

**Leena Bruckner-Tuderman, MD**

Professor, Department of Dermatology,  
University Medical Center Freiburg,  
Freiburg, Germany [53]

**Lucinda S. Buescher, MD**

Associate Professor, Division of  
Dermatology, Southern Illinois  
University, Springfield, IL [153]

**Christopher B. Bunker, MD, FRCP**

Professor, Department of Dermatology,  
University College London Hospitals,  
London, UK [77]

**Walter H.C. Burgdorf, MD**

Lecturer, Department of Dermatology,  
Ludwig Maximilian University,  
Munich, Germany [43]

**Susan Burge, OBE DM FRCP**

Consultant Dermatologist, Oxford  
University Hospitals, Oxford, UK [51]

**Susan Burgin, MD**

Assistant Professor, Department of  
Dermatology, Harvard Medical School,  
Boston, MA [15]

**Craig G. Burkhart, MD, MPH**

Clinical Professor, Department of  
Medicine, College of Medicine,  
University of Toledo, Toledo, OH [208]

**Craig N. Burkhart, MD**

Assistant Professor, Department of  
Dermatology, The University of North  
Carolina at Chapel Hill, Chapel Hill,  
NC [174, 208, 222]

**Claude S. Burton, MD**

Professor, Department of Dermatology,  
Duke University School of Medicine,  
Durham, NC [174]

**Jennifer A. Cafardi, MD**

Assistant Professor, Department of  
Dermatology, University of Alabama at  
Birmingham, Birmingham, AL [237]

**Jeffrey P. Callen, MD**

Professor of Medicine (Dermatology),  
Department of Medicine, University of  
Louisville, Louisville, KY [233]

**John D. Carter, MD**

Associate Professor, Department  
of Internal Medicine, Division of  
Rheumatology, University of South  
Florida College of Medicine, Tampa,  
FL [20]

**John A. Carucci, MD, PhD**

Associate Professor, Department of  
Dermatology, Weill Cornell Medical  
College, New York, NY [115]

**Mari Paz Castanedo-Tardan, MD**

Postdoctoral Research Fellow, Section of Dermatology, Dartmouth-Hitchcock Medical Center, Dartmouth Medical School, Lebanon, NH [13]

**Lorenzo Cerroni, MD**

Associate Professor, Department of Dermatology, Medical University of Graz, Graz, Austria [117]

**Veerendra Chadachan, MD**

Vascular Medicine Program, Boston University Medical Center, Boston MA, USA Consultant, Department of General Medicine Vascular Medicine and Hypertension Section, Tan Tock Seng Hospital, Singapore [173]

**Vinod Chandran, MBBS, MD, DM**

Clinical Research Fellow, Department of Medicine, Division of Rheumatology, University of Toronto, Toronto, ON, Canada [19]

**Mary Wu Chang, MD**

Associate Clinical Professor, Department of Dermatology, Department of Pediatrics, University of Connecticut School of Medicine, Farmington, CT [107]

**Anne M. Chapas, MD**

Clinical Assistant Professor, Department of Dermatology, New York University School of Medicine, New York, NY [252]

**Joel Charrow, MD**

Professor, Department of Pediatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL [141]

**Mei Chen, PhD**

Professor and Director of Research, Department of Dermatology, University of Southern California, Los Angeles, CA [60]

**Carol E. Cheng, MD**

Department of Dermatology, Massachusetts General Hospital, Boston, MA [16]

**Andy J. Chien, MD, PhD**

Assistant Professor, Division of Dermatology, University of Washington School of Medicine, Seattle, WA [151]

**Anna L. Chien, MD**

Assistant Professor, Department of Dermatology, Johns Hopkins School of Medicine, Baltimore, MD [217]

**Mary-Margaret Chren, MD**

Professor, Department of Dermatology, University of California, San Francisco, San Francisco, CA [1]

**David H. Chu, MD, PhD**

Division of Dermatology and Cutaneous Surgery, Scripps Clinic Medical Group, La Jolla, CA [7]

**Mon-Li Chu, PhD**

Professor, Department of Dermatology and Cutaneous Biology, Thomas Jefferson University, Philadelphia, PA [63]

**Jeffrey I. Cohen, MD**

Chief, Medical Virology Section, Laboratory of Clinical Infectious Diseases, National Institutes of Health, Bethesda, MD [193]

**Myron S. Cohen, MD**

Associate Vice Chancellor and Professor of Medicine, Microbiology and Immunology, Departments of Medicine and Epidemiology, University of North Carolina, Chapel Hill, NC [180]

**Philip R. Cohen, MD**

Clinical Associate Professor, Department of Dermatology, MD Anderson Cancer Center, University of Texas, Houston, TX [32]

**Chris D. Collins, MD, FAAD**

Professor of Clinical Dermatology US Army and Air Force Dermatology Brooke Army Medical Center, Wilford Hall Medical Center San Antonio, TX [22]

**Nneka I. Comfere, MD**

Assistant Professor, Department of Dermatology, Mayo Clinic College of Medicine, Rochester, MN [165]

**Rosamaria Corona, DSc, MD**

Attending Physician, Division of Immunodermatology, Istituto Dermopatico dell'Immacolata, Rome, Italy [2]

**Melissa I. Costner, MD**

Clinical Associate Professor, Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX [155, 156]

**George Cotsarelis, MD**

Professor, Department of Dermatology, University of Pennsylvania School of Medicine, Philadelphia, PA [86]

**Pierre A. Coulombe, PhD**

E.V. McCollum Professor and Chair, Department of Biochemistry and Molecular Biology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD [46]

**Edward W. Cowen, MD, MHS**

Head, Dermatology Consultation Service, Dermatology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD [28]

**Joseph Craft, MD**

Paul B. Beeson Professor of Medicine and Professor of Immunobiology, Department of Internal Medicine, Yale School of Medicine, Yale University, New Haven, CT [154]

**Noah Craft, MD, PhD, DTMH**

Assistant Professor, Department of Medicine, Divisions of Dermatology and Adult Infectious Disease, Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center, Torrance, CA [175, 176]

**Donna A. Culton, MD, PhD**

Resident Physician, Department of Dermatology, University of North Carolina at Chapel Hill, Chapel Hill, NC [56]

**Jennifer S. Daly, MD**

Professor, Department of Medicine, University of Massachusetts Medical School, Worcester, MA [209]

**F. William Danby, MD, FRCPC, FAAD**

Adjunct Assistant Professor, Department of Surgery (Section of Dermatology), Dartmouth Medical School, Hanover, NH [78]

**Stamatina Danielides, MD**

Sjögren's Syndrome Clinic Gene Therapy and Therapeutics Branch, National Institute of Dental and Craniofacial Research National Institutes of Health Bethesda, MD [161]

**Mazen S. Daoud, MD**

Private Practice, Dermatology and Dermatopathology, Advanced Dermatology Specialties, Fort Myers, FL [26, 27]

**Thomas N. Darling, MD, PhD**

Associate Professor, Department of Dermatology, Uniformed Services University of the Health Sciences, Bethesda, MD [140]

**Alan Dattner, MD**

Chief Scientific Officer, Founder and CEO, www.holisticdermatology.com, New York, NY [241]

**Sofie De Schepper, MD, PhD**

Professor, Department of Dermatology, Ghent University Hospital, Ghent, Belgium [75]

**Aieska De Souza, MD, MS**

Dermatopharmacology  
Fellow, Department of Dermatology,  
New York University Langone Medical  
Center, New York, NY  
[214, 220]

**Steven M. Dean, DO, FACP, RPVI**

Associate Professor of Internal  
Medicine, Department of  
Cardiovascular Medicine, The Ohio  
State University College of Medicine,  
Columbus, OH [173]

**Roy H. Decker, MD, PhD**

Assistant Professor, Department of  
Therapeutic Radiology, Yale School of  
Medicine, Yale University, New Haven,  
CT [240]

**Nicole M. DeLauro, DPM**

Associate Physician, Podiatric  
Medicine and Surgery, Foot and Ankle  
Center of New Jersey, Plainfield, NJ  
[98]

**Thomas M. DeLauro, DPM**

Professor, Departments of Medicine  
and Surgery, New York College of  
Podiatric Medicine, New York, NY [98]

**Christopher P. Denton, PhD, FRCP**

Professor of Experimental  
Rheumatology, Centre for  
Rheumatology, University College  
London, London, UK [157]

**Theresa Schroeder Devere, MD**

Assistant Professor, Department of  
Dermatology, Oregon Health & Science  
University, Portland, OR [168]

**Christine A. DeWitt, MD**

Assistant Professor, Division of  
Dermatology, Georgetown University  
Hospital, Washington, DC [153]

**Luis A. Diaz, MD**

Professor and Chairman, Department  
of Dermatology, University of North  
Carolina, Chapel Hill, NC [56]

**John J. DiGiovanna, MD**

Staff Clinician, DNA Repair Section,  
Dermatology Branch, Center for  
Cancer Research, National Cancer  
Institute, National Institutes of Health,  
Bethesda, MD [49, 139]

**Andrzej A. Dlugosz, MD**

Poeth Professor of Cutaneous Oncology,  
Department of Dermatology,  
University of Michigan Medical  
School, Ann Arbor, MI [111]

**Lisa M. Donofrio, MD**

Associate Clinical Professor,  
Department of Dermatology, Yale  
School of Medicine, Yale University,  
New Haven, CT [254]

**Daven N. Doshi, MD**

Resident, Department of Dermatology,  
Albert Einstein College of Medicine,  
Bronx, NY [16]

**Karynne O. Duncan, MD**

Private Practice, Saint Helena, CA  
[113]

**Jonathan A. Dyer, MD**

Assistant Professor, Departments of  
Dermatology and Child Health, School  
of Medicine, University of Missouri,  
Columbia, MO [137]

**Robert T. Eberhardt, MD, FACC,  
FSVM, RPVI**

Associate Professor, Department of  
Medicine, Boston University School of  
Medicine, Boston, MA [173]

**Benjamin D. Ehst, MD, PhD**

Assistant Professor, Department of  
Dermatology, Oregon Health & Science  
University, Portland, OR [29]

**Lawrence F. Eichenfield, MD**

Professor, Departments of Pediatrics  
and Medicine (Dermatology),  
University of California, San Diego,  
San Diego, CA [14]

**Daniel B. Eisen, MD**

Associate Clinical Professor,  
Dermatology, University of California,  
Davis, Sacramento, CA [187]

**Myrna El Shareef, MD**

Department of Dermatology,  
American University of Beirut Medical  
Center, Beirut, Lebanon [204]

**James T. Elder, MD, PhD**

Professor, Department of Dermatology,  
University of Michigan Medical  
School, Ann Arbor, MI [18]

**Craig A. Elmets, MD**

Professor and Chair, Department of  
Dermatology, University of Alabama at  
Birmingham, Birmingham, AL [237]

**Dirk M. Elston, MD**

Director, Department of Dermatology,  
Geisinger Medical Center, Danville, PA  
[99, 231]

**Joseph C. English, MD**

Associate Professor, Department of  
Dermatology, University of Pittsburgh,  
Pittsburgh, PA [181]

**Edward M. Esparza, MD, PhD**

Resident, Division of Dermatology,  
University of Washington, Seattle, WA  
[221]

**Janet A. Fairley, MD**

Professor and Head, Department of  
Dermatology, University of Iowa, Iowa  
City, IA [138]

**Vincent Falanga, MD, FACP**

Professor, Departments of  
Dermatology and Biochemistry,  
Boston University School of Medicine,  
Boston, MA [248]

**Robert D. Fealey, MD**

Consultant, Department of Neurology,  
Mayo Clinic College of Medicine,  
Rochester, MN [84]

**Flavia Fedeles, MD, MS**

Intern, Internal Medicine, Hospital of  
St Raphael, New Haven, CT [23]

**Laura Korb Ferris, MD, PhD**

Assistant Professor, Department of  
Dermatology, School of Medicine,  
University of Pittsburgh, Pittsburgh,  
PA [181]

**Patricia M. Fishman, MD**

Assistant Professor, Department of  
Pathology, University of Illinois at  
Chicago, Chicago, IL [70]

**James E. Fitzpatrick, MD**

Professor and Vice Chair, Department  
of Dermatology, University of  
Colorado, Denver, CO [219, 227]

**Philip Fleckman, MD**

Professor, Medicine (Dermatology),  
University of Washington, Seattle, WA  
[49]

**Carsten Flohr, BM, BCh (Hons), MA,  
Mphil, MRCPCH, MSc, PhD**

Senior Lecturer (Associate  
Professor) and Honorary Consultant  
Dermatologist, St John's Institute of  
Dermatology, St Thomas's Hospital  
and King's College London, London,  
UK [4]

**Camille Francès, MD**

Professor, Department of  
Dermatology-Allergology, Hôpital  
Tenon, Paris, France [159]

**Jorge Frank, MD, PhD**

Professor, Department of Dermatology,  
Maastricht University Medical Center  
(MUMC), Maastricht, The Netherlands  
[132]

**Ilona J. Frieden, MD**

Professor, Department of Dermatology  
and Pediatrics, School of Medicine,  
University of California, San Francisco,  
San Francisco, CA [126]

**Sheila Fallon Friedlander, MD**

Professor, Departments of Pediatrics  
and Medicine (Dermatology), School  
of Medicine, University of California,  
San Diego, San Diego, CA [195]



**Ramsay L. Fuleihan, MD**

Associate Professor, Department of Pediatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL [143]

**Abhimanyu Garg, MD**

Professor, Internal Medicine, University of Texas Southwestern Medical Center, Dallas, TX [71]

**Amit Garg, MD**

Associate Professor, Department of Dermatology, Boston University School of Medicine, Boston, MA [5, 188, 189]

**Christopher C. Gasbarre, DO, FAAD**

Associate Staff Physician, Department of Dermatology, Cleveland Clinic, Cleveland, OH [230]

**Anthony A. Gaspari, MD**

Shapiro Professor, Department of Dermatology, University of Maryland School of Medicine, Baltimore, MD [226]

**John K. Geisse, MD**

Clinical Professor, Department of Dermatology, University of California, San Francisco, San Francisco, CA [113]

**Joel M. Gelfand, MD, MSCE**

Assistant Professor of Dermatology and Epidemiology, Departments of Dermatology, Epidemiology and Biostatistics, University of Pennsylvania School of Medicine, Philadelphia, PA [234]

**Carlo Gelmetti, MD**

Full Professor, Department of Anesthesia, Intensive Care and Dermatologic Sciences, Università degli Studi di Milano, Milano, Italy [147, 148]

**Roy G. Geronemus, MD**

Director, Dermatology, Laser & Skin Surgery Center of New York, New York, NY [252]

**Samer H. Ghosn, MD**

Assistant Professor, Department of Dermatology, American University of Beirut Medical Center, Beirut, Lebanon [201, 203, 206]

**Lawrence E. Gibson, MD**

Professor, Department of Dermatology, Mayo Clinic College of Medicine, Rochester, MN [165]

**Barbara A. Gilchrist, MD**

Chair Emerita and Professor of Dermatology, Department of Dermatology, Boston University School of Medicine, Boston, MA [9, 109]

**Dafna D. Gladman, MD, FRCPC**

Professor, Department of Medicine, Division of Rheumatology, University of Toronto, Toronto, ON, Canada [19]

**Gerald J. Gleich, MD**

Professor of Dermatology and Medicine, Department of Dermatology, School of Medicine, University of Utah, Salt Lake City, UT [31]

**Adam B. Glick, PhD**

Associate Professor, Center for Molecular Toxicology and Carcinogenesis, Department of Veterinary and Biomedical Sciences, Department of Dermatology, Hershey Medical Center, The Pennsylvania State University, University Park, PA [111]

**Richard G. Glogau, MD**

Clinical Professor, Department of Dermatology, University of California, San Francisco, San Francisco, CA [255]

**Raphaella Goldbach-Mansky, MD, MHS**

Acting Chief, National Institute of Arthritis and Musculoskeletal and Skin Diseases Intramural Research Program, Translational Autoinflammatory Disease Section, The National Institutes of Health, Bethesda, MD [134]

**Leonard H. Goldberg, MD, FRCP**

Medical Director, DermSurgery Associates, PA, Houston, TX [246]

**Emmy M. Graber, MD**

Assistant Professor of Dermatology, Department of Dermatology, Boston University Medical Center, Boston, MA [80]

**Robin A.C. Graham-Brown, BSc, MB, FRCP, FRCPC**

Consultant Dermatologist, Department of Dermatology, University Hospitals of Leicester, Leicester, UK [150]

**Jane Margaret Grant-Kels, MD**

Professor and Chair, Department of Dermatology, University of Connecticut Health Center, Farmington, CT [23]

**Justin J. Green, MD**

Department of Dermatology, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, Wood Johnson Medical School, Camden, NJ [199]

**Roy C. Grekin, MD**

Professor, Department of Dermatology, University of California, San Francisco School of Medicine, San Francisco, CA [121]

**James M. Grichnik, MD, PhD**

Professor, Department of Dermatology, Miller School of Medicine, Miami, FL [122, 123]

**Douglas Grossman, MD, PhD**

Associate Professor, Department of Dermatology, University of Utah Health Sciences Center, Salt Lake City, UT [114]

**Johann E. Gudjonsson, MD, PhD**

Assistant Professor, Department of Dermatology, University of Michigan, Ann Arbor, MI [18]

**Bridget C. Hackett, MB BCh, BAO, MRCPI**

Department of Dermatology, Mater Misericordiae University Hospital, Dublin, Ireland [33]

**Russell P. Hall III, MD**

J Lamar Callaway Professor and Chair, Department of Dermatology, Duke University Medical Center, Durham, NC [58, 61, 225]

**Analisa V. Halpern, MD**

Assistant Professor, Department of Medicine, Division of Dermatology, Cooper University Hospital, Rowan University, Camden, NJ [199]

**C. William Hanke, MD, MPH, FACP**

Visiting Professor of Dermatology, University of Iowa Carver College of Medicine, Iowa City, IA [253]

**Christopher B. Hansen, MD**

Assistant Professor, Department of Dermatology, University of Utah School of Medicine, Salt Lake City, UT [156]

**Philip N. Hawkins, PhD, FRCP, FRCPath, FMedSci**

Professor of Medicine, Centre for Amyloidosis and Acute Phase Proteins, University College London Medical School, London, UK [133]

**Roderick J. Hay, DM, FRCP, FRCPath, FMedSci**

Chairman, International Foundation for Dermatology, London, UK [3, 190]

**Adelaide A. Hebert, MD**

Professor, Department of Dermatology, University of Texas Medical School at Houston, Houston, TX [84]

**Stephen E. Helms, MD**

Associate Professor, Department of Medicine, Northeastern Ohio Universities College of Medicine, Rootstown, OH [68]

**Ulrich R. Hengge, MD, MBA**

Professor, Hautzentrum Prof. Hengge, Düsseldorf, NRW, Germany [65]

**Warren R. Heymann, MD**

Professor of Medicine and Pediatrics, Head, Division of Dermatology, Robert Wood Johnson Medical School at Camden, University of Medicine & Dentistry of New Jersey, Camden, NJ [199]

**Whitney A. High, MD, JD, MEng**

Associate Professor, Department of Dermatology, University of Colorado Denver Health Sciences Center, Denver, CO [219, 227]

**Chad Hivnor, MD**

Associate Program Director, San Antonio Uniformed Services Health Education Consortium, San Antonio, TX [22]

**Jonathan Hofmekler, BSc**

Associate Researcher, Department of Dermatology, School of Medicine, Emory University, Atlanta, GA [235]

**Ulrich Hohenleutner, MD**

Professor, Klinik und Poliklinik für Dermatologie, Universitätsklinikum Regensburg, Regensburg, Germany [239]

**Steven M. Holland, MD**

Chief, Laboratory of Clinical Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD [30]

**Golara Honari, MD**

Attending Physician, Dermatology and Plastic Surgery Institute, Cleveland Clinic, Cleveland, OH, [211]

**Herbert Hönigsmann, MD**

Professor of Dermatology, Emeritus Chairman, Department of Dermatology, Medical University of Vienna, Vienna, Austria [32, 35, 238]

**Thomas J. Hornyak, MD, PhD**

Investigator, Dermatology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD [73]

**Alain Hovnanian, MD, PhD**

Departments of Genetics and Dermatology, University René Descartes, Paris, France [51]

**Chung-Hong Hu, MD**

Department of Dermatology, University of Wisconsin, Madison, WI [25]

**Linden Hu, MD**

Associate Professor, Department of Medicine, School of Medicine, Tufts University, Boston, MA [187]

**Sam T. Hwang, MD, PhD**

Chair and Professor, Department of Dermatology, Medical College of Wisconsin, Milwaukee, WI [12]

**Sherrif F. Ibrahim, MD, PhD**

Procedural Dermatology Fellow, Department of Dermatology, University of California, San Francisco, San Francisco, CA [121]

**Gabor Illei, MD, PhD, MHS**

Head, Sjögren's Syndrome Clinic, Molecular Physiology and Therapeutics Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, MD [161]

**Alan D. Irvine, MD, FRCP, FRCPI**

Consultant Dermatologist, Paediatric Dermatology, Our Lady's Children's Hospital, Dublin, Ireland [52]

**Rim S. Ishak, MD**

Department of Dermatology, American University of Beirut Medical Center, Beirut, Lebanon [203]

**Peter H. Itin, MD**

Professor, Department of Dermatology, School of Medicine, University of Basel, Basel, Switzerland [131]

**Satori Iwamoto, MD, PhD**

Assistant Professor, Department of Dermatology and Skin Surgery, Boston University School of Medicine, Boston, MA [248]

**Reza Jacob, MD**

Resident, Department of Dermatology, Boston University School of Medicine, Boston, MA [232]

**Heidi T. Jacobe, MD, MSCS**

Assistant Professor, Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX [64]

**William D. James, MD**

Paul R. Gross Professor, Department of Dermatology, School of Medicine, University of Pennsylvania, Philadelphia, PA [218]

**Melinda Jen, MD**

Pediatric Dermatology Fellow, Division of Pediatric and Adolescent Dermatology, Rady Children's Hospital, University of California, San Diego, San Diego, CA [130]

**Jens-Michael Jensen, MD**

Department of Dermatology, Venereology and Allergy, University of Kiel, Kiel, Germany [47]

**Richard Allen Johnson, MDCM**

Assistant Professor, Department of Dermatology, Harvard Medical School, Boston, MA [105, 178, 179, 198]

**Timothy M. Johnson, MD**

Professor, Department of Dermatology, University of Michigan, Ann Arbor, MI [124]

**Graham A. Johnston, MBChB, FRCP**

Consultant, Department of Dermatology, Leicester Royal Infirmary, Leicester, Leicestershire, UK [150]

**Marc A. Judson, MD**

Professor of Medicine, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Medical University of South Carolina, Charleston, SC [152]

**Andrea A. Kalus, MD**

Assistant Professor, Division of Dermatology, University of Washington School of Medicine, Seattle, WA [151]

**Insoo Kang, MD**

Associate Professor of Medicine, Department of Internal Medicine, Yale School of Medicine, Yale University, New Haven, CT [154]

**Sewon Kang, MD**

Noxell Professor and Chairman, Department of Dermatology, Johns Hopkins University School of Medicine, Baltimore, MD [217]

**Allen P. Kaplan, MD**

Clinical Professor, Department of Medicine, Medical University of South Carolina, Charleston, SC [38]

**Julie K. Karen, MD**

Clinical Assistant Professor, Department of Dermatology, New York University Langone School of Medicine, New York, NY [108]

**Kenneth A. Katz, MD, MSc, MSCE**

STD Control Officer and Senior Physician, Health and Human Services Agency, County of San Diego, San Diego, CA [200, 222]

**Stephen I. Katz, MD, PhD**

Fellow, American Academy of Dermatology, Schaumburg, IL; Past President, Society of Investigative Dermatology, Cleveland, OH; Director, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, MD [61]

**Masaoki Kawasaki, MD, PhD**

Department of Medicine, Division of Dermatology, University of Washington, Seattle, WA [112]

**Dean L. Kellogg, Jr., MD, PhD**

Professor, Department of Medicine, University of Texas Health Science Center, San Antonio, TX [93]

**Francisco A. Kerdel, MD**

Director, Dermatology Inpatient Unit, Department of Dermatology, University of Miami Hospital, Miami, FL [216]

**Helmut Kerl, MD**

Professor of Dermatology, Chairman Emeritus, Department of Dermatology, Medical University of Graz, Graz, Austria [117]

**Jay S. Keystone, MD, MSc(CTM), FRCPC**

Professor, Department of Medicine, University of Toronto, Toronto, ON, Canada [207]

**Abdul-Ghani Kibbi, MD, FAAD, FACP**

Professor and Chair, Department of Dermatology, Faculty of Medicine, American University of Beirut, Beirut, Lebanon [6, 204]

**Alexa B. Kimball, MD, MPH**

Associate Professor, Department of Dermatology, Harvard Medical School, Boston, MA [16]

**Reinhard Kirnbauer, MD**

Associate Professor, Department of Dermatology, Division of Immunology, Allergy and Infectious Diseases (DIAID), Medical University of Vienna, Vienna, Austria [196]

**John H. Klippel, MD**

President and Chief Executive Officer, Arthritis Foundation, Atlanta, GA [170]

**Robert Knobler, MD**

Associate Professor, Department of Dermatology, Medical University of Vienna, Vienna, Austria [238]

**Sandra R. Knowles, BScPhm**

Lecturer, Faculty of Pharmacy, University of Toronto, Toronto, ON, Canada [41]

**Christine J. Ko, MD**

Associate Professor, Department of Dermatology, Yale School of Medicine, Yale University, New Haven, CT [66]

**Manuel Koch, PhD**

Associate Professor, Institute for Oral and Musculoskeletal Biology, Medical Faculty, Center for Dental Medicine, University of Cologne, Cologne, Germany [63]

**Irene E. Kochevar, PhD**

Professor, Department of Dermatology, Harvard Medical School, Boston, MA [90]

**Nellie Konnikov, MD**

Professor, Department of Dermatology, Boston University School of Medicine, Boston, MA [232]

**Sandra A. Kopp, MD**

Resident Physician, Department of Dermatology, Robert Wood Johnson Medical School at Camden, University of Medicine & Dentistry of New Jersey, Camden, NJ [199]

**Kenneth H. Kraemer, MD**

Chief, DNA Repair Section, Dermatology Branch, National Cancer Institute, Bethesda, MD [110, 139]

**T. Krieg, MD**

Department of Dermatology, University of Cologne, Cologne, Germany [63, 157]

**Jean Krutmann, MD**

Univ.- Professor Dr. med., Institut für Umweltmedizinische Forschung (IUF), Düsseldorf, NRW, Germany [90]

**Roopal V. Kundu, MD**

Assistant Professor, Department of Dermatology, Feinberg School of Medicine, Northwestern University, Chicago, IL [189]

**Thomas S. Kupper, MD, FAAD**

Thomas B. Fitzpatrick Professor, Department of Dermatology, Harvard Medical School, Boston, MA [11]

**Razelle Kurzrock, MD, FACP**

Chair and Professor, Investigational Cancer Therapeutics, MD Anderson Cancer Center, University of Texas, Houston, TX [32]

**Helen J. Lachmann, MD, FRCP**

Senior Lecturer/Honorary Consultant, National Amyloidosis Centre, University College London Medical School, London, UK [133]

**Jeffrey N. Lackey, MD**

Staff Dermatologist, Kimbrough Ambulatory Care Center, Fort George G. Meade, MD [213]

**Jürgen Lademann,****Prof. Dr. rer. nat. Dr.-Ing. habil.**

Department of Dermatology, Center of Experimental and Applied Cutaneous Physiology (CCP), Charité - Universitätsmedizin Berlin, Berlin, Germany [215]

**Jeffrey R. LaDuca, MD, PhD**

Reflections Dermatology, Skaneateles, NY [226]

**Jo Lambert, MD, PhD**

Professor, Department of Dermatology, Ghent University Hospital, Ghent, Belgium [75]

**Michael Landthaler, MD**

Department of Dermatology, University of Regensburg, Regensburg, Germany [239]

**Sinéad M. Langan, MRCP, MSc, PhD**

Visiting Scholar, Department of Dermatology, University of Pennsylvania, Philadelphia, PA [4]

**Hilde Lapeere, MD, PhD**

Department of Dermatology, University Hospital Ghent, Ghent, Belgium [75]

**Anne Laumann, MBChB, MRCP(UK), FAAD**

Associate Professor of Dermatology, Department of Dermatology, Feinberg School of Medicine, Northwestern University, Chicago, IL [101]

**Stephan Lautenschlager, MD**

Associate Professor, Outpatient Clinic of Dermatology & Venereology, City Hospital Triemli, Zürich, Switzerland [202]

**Leslie P. Lawley, MD**

Assistant Professor of Dermatology and Pediatrics, Department of Dermatology, School of Medicine, Emory University, Atlanta, GA [82]

**Chyi-Chia Richard Lee, MD, PhD**

Staff Clinician, Laboratory of Pathology, National Cancer Institute, National Institutes of Health, Bethesda, MD [134]

**Delphine J. Lee, MD, PhD, FAAD**

Dirks/Dougherty Laboratory for Cancer Research, Director, Department of Translational Immunology, John Wayne Cancer Institute, Santa Monica, CA [186]

**Ken K. Lee, MD**

Associate Professor, Department of Dermatology, Director of Dermatologic Surgery, Oregon Health and Science University, Portland, OR [118]

**Lela A. Lee, MD**

Professor, Departments of Dermatology and Medicine, School of Medicine, University of Colorado Denver, Denver, CO [37]

**David J. Leffell, MD**

David Paige Smith Professor of Dermatology and Surgery, Chief, Section of Dermatologic Surgery and Cutaneous Oncology Department of Dermatology, Yale School of Medicine, Yale University, New Haven, CT [113, 114, 115]

**Kristin M. Leiferman, MD**

Professor, Department of Dermatology, University of Utah, Salt Lake City, UT [31, 36]

**Yolanda M. Lenzy, MD, MPH**

Clinical Dermatologist, Family Dermatology of Massachusetts, Brookline, MA [9]

**Aimee L. Leonard, MD**

Private Practice, New England Dermatology и Laser Center, Springfield, MA [253]

**Donald Y.M. Leung, MD, PhD**

Professor, Department of Pediatrics, School of Medicine, University of Colorado Denver, Denver, CO [14]

**Nikki A. Levin, MD, PhD**

Associate Professor, Department of Medicine, Division of Dermatology, University of Massachusetts Medical School, Worcester, MA [5]

**Ross M. Levy, MD**

Attending Physician, Division of Dermatology, North Shore University Health System, Skokie, IL [127]

**Bernadette Liegl-Atzwanger, MD**

Institute of Pathology, Medical University Graz, Graz, Austria [125]

**Henry W. Lim, MD**

Chairman and C.S. Livingood Chair, Department of Dermatology, Henry Ford Hospital, Detroit, MI [92, 223]

**Dan Lipsker, MD, PhD**

Professor, Department of Dermatology, Université de Strasbourg, Faculté de Médecine, Strasbourg, France [171]

**Adam D. Lipworth, MD**

Instructor, Department of Dermatology, Harvard Medical School, Harvard University, Boston, MA [178, 179]

**Robert Listernick, MD**

Professor, Department of Pediatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL [141]

**Rosemarie Liu, MD**

Private Practice Skin, Cancer Surgery Center Fairfax, VA [25]

**Zhi Liu, PhD**

Professor, Department of Dermatology, University of North Carolina School of Medicine, Chapel Hill, NC [56]

**Robert Loewe, MD**

Associate Professor, Department of Dermatology, Medical University of Vienna, Vienna, Austria [162]

**Anke S. Lonsdorf, MD**

Department of Dermatology, University Hospital of Heidelberg, Heidelberg, Germany [12]

**Mayra E. Lorenzo, MD, PhD**

Instructor, Department of Dermatology, Harvard Medical School, Boston, MA [192]

**Thomas A. Luger, MD**

Professor and Chairman, Department of Dermatology, University of Münster, Münster, Germany [102]

**Calum C. Lyon, MA, FRCP**

Department of Dermatology, York Hospital, York, North Yorkshire, UK [96, 97]

**Catherine Maari, MD**

Assistant Professor, Department of dermatology, University of Montreal, Montreal, QC, Canada [67]

**Vandana Madkan, MD**

Dermatologist, Center for Clinical Studies, Dermatological Association of Texas, Houston, TX [191]

**Meera Mahalingam, MD, PhD, FRCPPath**

Professor of Dermatology and Pathology and Laboratory Medicine, Dermatopathology Section, Department of Dermatology, Boston University School of Medicine, Boston, MA [187]

**Joelle M. Malek, MD**

Chief Resident, Department of Dermatology, American University of Beirut Medical Center, Beirut, Lebanon [206]

**Richard M. Marchell, MD**

Assistant Professor, Department of Dermatology, Medical University of South Carolina, Charleston, SC [152]

**Lynette J. Margesson, MD, FRCP**

Assistant Professor of Obstetrics and Gynecology and Medicine (Dermatology), Section of Dermatology, Department of Obstetrics and Gynecology, Dartmouth Medical School, Hanover, NH [78]

**M. Peter Marinkovich, MD**

Associate Professor, Department of Dermatology, Stanford University School of Medicine, Stanford, CA [62]

**Adriana R. Marques, MD**

National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD [193]

**Nadine Marrouche, MD**

Department of Dermatology, American University of Beirut Medical Center, Beirut, Lebanon [201]

**Erin F. Mathes, MD**

Department of Dermatology, University of California, San Francisco, San Francisco, CA [126]

**Theodora M. Mauro, MD**

Service Chief, Dermatology, San Francisco VA Medical Center, San Francisco, CA [83]

**Susannah E. McClain, MD**

Resident, Department of Dermatology, University of Maryland Medical System, Baltimore, MD [226]

**John A. McGrath, MD, FRCP**

Professor, St John's Institute of Dermatology, Guy's Campus, King's College London, London, UK [8]

**W. H. Irwin McLean, FRSE, FMedSci**

Dermatology and Genetic Medicine University of Dundee, Dundee, UK [8]

**Darius R. Mehregan, MD**

Associate Professor and Hermann Pinkus Chair, Department of Dermatology, Wayne State University, Detroit, MI [34]

**David A. Mehregan, MD**

Associate Professor, Department of Dermatology, School of Medicine, Wayne State University, Detroit, MI [34]

**Atul B. Mehta, MD, FRCP, FRCPPath**

Professor, Department of Haematology, Royal Free Hospital, University College London School of Medicine, London, UK [136]

**Natalia Mendoza, MD, MS**

Assistant Professor, Department of Research and Dermatology, Universidad El Bosque, Bogotá, Colombia [191]

**Peter A. Merkel, MD, MPH**

Professor of Medicine, Section of Rheumatology, Clinical Epidemiology Unit, Boston University School of Medicine, Boston, MA [164]



**Martin C. Mihm, MD, FACP**

Director, Melanoma Program in Dermatology, Department of Dermatology, Brigham and Women's Hospital, Boston, MA [6, 124]

**Lloyd S. Miller, MD, PhD**

Assistant Professor, Division of Dermatology, David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, CA [10]

**Stanley J. Miller, MD**

Associate Professor, Departments of Dermatology and Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, MD [46]

**Daniel Mimouni, MD**

Senior Lecturer, Department of Dermatology, Beilinson Campus, Rabin Medical Center, Petah-Tikva, Israel [55]

**Julia S. Minocha, MD**

Clinical Research Fellow, Department of Dermatology, Feinberg School of Medicine, Northwestern University, Chicago, IL [69]

**Paradi Mirmirani, MD**

Department of Dermatology, The Permanente Medical Group, Vallejo, CA [87]

**Robert L. Modlin, MD**

Klein Professor of Dermatology, and Professor of Microbiology, Immunology and Molecular Genetics, Department of Medicine, David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, CA [10, 186]

**P. Moinzadeh, MD**

Department of Dermatology, University of Cologne, Cologne, Germany [157]

**Paul A. Monach, MD, PhD**

Assistant Professor, Department of Medicine, Section of Rheumatology, Vasculitis Center, Boston University School of Medicine, Boston, MA [164]

**Megan M. Moore, MD**

Department of Dermatology, The Permanente Medical Group, Walnut Creek, CA [220]

**Rebecca J. Morris, PhD**

Professor, Laboratory of Stem Cells and Cancer, The Hormel Institute, University of Minnesota, Austin, MN [45]

**L. Katie Morrison, MD**

Department of Dermatology, University of Texas Health Sciences Center, Houston, TX [191]

**Nico Mousdicas, MBChB, MD**

Associate Professor, Department of Dermatology, Indiana University, Indianapolis, IN [177]

**Ulrich Mrowietz, MD**

Associate Professor, Psoriasis Center, Department of Dermatology, Campus Kiel, University Medical Center Schleswig-Holstein, Kiel, Germany [21]

**Colin S. Munro, MD, FRCP (Glasg)**

Professor, Alan Lyell Centre for Dermatology, Southern General Hospital, Glasgow, UK [50]

**George F. Murphy, MD**

Professor of Pathology, Harvard Medical School Director, Program in Dermatopathology, Brigham and Women's Hospital, Boston MA [6]

**Haley Naik, MD**

Department of Dermatology, Massachusetts General Hospital, Boston, MA [105]

**Amanda M. Nelson, PhD**

Department of Dermatology, College of Medicine, The Pennsylvania State University, Hershey, PA [79]

**Isaac M. Neuhaus, MD**

Assistant Professor, Department of Dermatology, University of California, San Francisco, San Francisco, CA [121]

**Paul Nghiem, MD, PhD**

Associate Professor, Departments of Medicine and Dermatology, University of Washington, Seattle, WA [112, 120]

**Gerhard J. Nohynek, PhD, DABT**

Scientific Director, Worldwide Safety Department, L'Oréal RnD, Asnières, France [215]

**David A. Norris, MD**

Professor and Chairman, Department of Dermatology, School of Medicine, University of Colorado Denver, Denver, CO [74]

**Scott A. Norton, MD, MPH, MSC**

Professor of Dermatology, Division of Dermatology, Department of Medicine, Georgetown University Hospital, Washington, DC [183, 213]

**Lillian Odo, MD**

Associate Professor, Department of Dermatology, University of Santo Amaro, São Paulo, SP, Brazil [100]

**John E. Olerud, MD**

Professor, Medicine, Division of Dermatology, University of Washington, Seattle, WA [151]

**Katia Ongenae, MD, PhD**

Professor, Department of Dermatology, University Hospital Ghent, Ghent, Belgium [75]

**Grainne M. O'Regan, MRCPI**

Department of Paediatric Dermatology, Our Lady's Children's Hospital, Dublin, Ireland [52]

**Anthony E. Oro, MD, PhD**

Associate Professor, Program in Epithelial Biology, School of Medicine, Stanford University, Stanford, CA [116]

**Catherine H. Orteu, MBBS, BSc, MD, FRCP**

Consultant Dermatologist, Department of Dermatology, Royal Free Hospital, London, UK [136]

**Nina Otberg, MD**

Hair Clinic, Skin and Laser Center Berlin, Potsdam, Germany [88]

**Michael N. Oxman, MD**

Professor of Medicine and Pathology, University Of California, San Diego, San Diego, CA [194]

**Amy S. Paller, MD**

Walter J. Hamlin Professor and Chair of Dermatology, Professor of Pediatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL [143]

**Hee-Young Park, PhD**

Associate Professor, Department of Dermatology, Boston University School of Medicine, Boston, MA [72]

**Sareeta R.S. Parker, MD**

Associate Clinical Professor, Department of Dermatology, School of Medicine, Emory University, Atlanta, GA [82]

**Anisha B. Patel, MD**

Resident, Department of Dermatology, Oregon Health & Science University, Portland, OR [168]

**Tejesh S. Patel, MBBS (Lon), BSc (Hons)**

Dermatology Resident, Department of Medicine, Division of Dermatology, University of Tennessee Health Science Center, Memphis, TN [103]

**Aimee S. Payne, MD, PhD**

Assistant Professor, Department of Dermatology, University of Pennsylvania, Philadelphia, PA [53, 54]

**Andrea L. Pearson, MD**

Resident Physician, Department of Dermatology, University of Massachusetts Medical School, Worcester, MA [192]

**Michelle T. Pelle, MD**

Attending Physician, Department of Medicine, Scripps Mercy Hospital, San Diego, CA [81]

**Brent E. Pennington, MD**

Nashville Skin & Cancer, Nashville, TN [242]

**Margot S. Peters, MD**

Department of Dermatology, Mayo Clinic, Rochester, MN [36]

**Julia S. Pettersen, MD**

Department of Dermatology, Yale School of Medicine, New Haven, CT [115]

**Peter Petzelbauer, MD**

Professor of Microvascular Research, Department of Dermatology, Medical University of Vienna, Vienna, Austria [162]

**Tania J. Phillips, MD, FRCP, FRCPC**

Professor of Dermatology, Department of Dermatology, Boston University School of Medicine, Boston, MA [100]

**Gérald E. Piérard, MD, PhD**

Chief, Dermatopathology Service, Department of Dermatology, University Hospital of Liège, Liège, Belgium [94]

**Claudine Piérard-Franchimont, MD, PhD**

Professor, Department of Dermatopathology, University Hospital of Liège, Liège, Belgium [94]

**Warren W. Piette, MD**

Chair, Division of Dermatology, John H. Stroger Jr. Hospital of Cook County, Chicago, IL [144, 160]

**Caroline Piggott, MD**

Resident, Department of Dermatology, University of California, San Diego, San Diego, CA [195]

**Bianca Maria Piraccini, MD, PhD**

Researcher, Department of Dermatology, University of Bologna, Bologna, Italy [89]

**Mark R. Pittelkow, MD**

Professor, Departments of Dermatology and Biochemistry and Molecular Biology, Mayo Clinic College of Medicine, Mayo Medical School, Rochester, MN [26, 27, 158]

**Jordan S. Pober, MD, PhD**

Professor and Vice Chair, Department of Immunobiology, Yale School of Medicine, Yale University, New Haven, CT [162]

**Brian P. Pollack, MD, PhD**

Assistant Professor of Dermatology and Pathology/Laboratory Medicine, Emory University, Winship Cancer Institute and the Atlanta VA Medical Center, Atlanta, GA [237]

**Miriam Keltz Pomeranz, MD**

Clinical Assistant Professor, Department of Dermatology, New York University School of Medicine, New York, NY [108]

**Frank C. Powell, FRCPI, FAAD**

Associate Professor, Department of Dermatology, University College Dublin, Dublin, Ireland [33]

**Julie Powell, MD, FRCPC**

Associate Clinical Professor, and Director of Pediatric Dermatology, Department of Pediatrics, Division of Dermatology, CHU Sainte-Justine University of Montreal, Montreal, QC, Canada [67]

**Jennifer G. Powers, MD**

Resident, Department of Dermatology, Boston University School of Medicine, Boston, MA [100]

**Julie S. Prendiville, MB, FRCPC**

Clinical Professor, Department of Pediatrics, University of British Columbia, Vancouver, British Columbia, Canada [44]

**Howard B. Pride, MD**

Associate, Departments of Dermatology and Pediatrics, Geisinger Medical Center, Danville, PA [106]

**Ehrhardt Proksch, MD, PhD**

Professor, Department of Dermatology, University of Kiel, Kiel, Germany [47]

**Pascale Quatresooz, MD, PhD**

Lecturer Senior Registrar, Department of Dermatopathology, University Hospital of Liège, Liège, Belgium [94]

**Caroline L. Rao, MD**

Assistant Professor, Department of Dermatology, Duke University, Durham, NC [58]

**Thomas H. Rea, MD**

Emeritus Professor, Department of Dermatology, Keck School of Medicine, University of Southern California, Los Angeles, CA [186]

**Kavitha K. Reddy, MD**

Resident, Department of Dermatology, Boston University School of Medicine, Boston, MA [9]

**Thomas E. Redelmeier, MD**

Dermatology Department, Charite Hospital/Humboldt University, Berlin, Berlin, Germany [215]

**Arthur R. Rhodes, MD, MPH**

Professor, Department of Dermatology, Rush Medical College, Rush University, Chicago, IL [122]

**Stephen K. Richardson, MD**

Clinical Assistant Professor, Department of Dermatology, Florida State College of Medicine, Tallahassee, FL [234]

**Evan Rieder, MD**

Department of Psychiatry, New York University School of Medicine, New York, NY [104]

**Maureen Rogers, MBBS, FACD**

Emeritus Consultant, Department of Dermatology, Royal Alexandra Hospital for Children, Sydney, Australia [87]

**Thomas E. Rohrer, MD**

Clinical Associate Professor of Dermatology, Brown University, Alpert School of Medicine, Providence, RI [243]

**Arash Ronaghy, MD, PhD**

Research Associate, Department of Dermatology, Duke University, Durham, NC [61]

**Ted Rosen, MD**

Professor, Department of Dermatology, Baylor College of Medicine, Houston, TX [205]

**Marti J. Rothe, MD**

Associate Professor of Dermatology, Department of Dermatology, University of Connecticut Health Center, Farmington, CT [23]

**Jean-Claude Roujeau, MD**

Department of Dermatology, Hôpital Henri Mondor, Université Paris XII Créteil, Paris, France [39, 40]

**Anne H. Rowley, MD**

Professor, Departments of Pediatrics, and Microbiology—Immunology, Feinberg School of Medicine, Northwestern University, Chicago, IL [167]

**Thomas M. Rünger, MD, PhD**

Professor of Dermatology and Pathology, Department of Dermatology, Boston University School of Medicine, Boston, MA [110, 139]

**William A. Rutala, BS, MS, PhD, MPH**

Professor, Department of Medicine, University of North Carolina, Chapel Hill, NC [180]

**Thomas Ruzicka, Prof. Dr. med. Dr. h.c.**

Head and Professor, Department of Dermatology and Allergology, Ludwig Maximilian University, Munich, Germany [24]

**Arturo P. Saavedra, MD, PhD, MBA**

Assistant Professor, Department of Dermatology, Harvard Medical School, Boston, MA [178, 179, 198]

**Joni G. Sago, MD**

Dermatology Associates of Kingsport, Kingsport, TN [225]

**Raul D. Santos, MD, PhD**

Director, Lipid Clinic, Heart Institute (InCor), University of São Paulo Medical School Hospital, São Paulo, Brazil [135]

**Jean-Hilaire Saurat, MD**

Professor, Swiss Center for Human Applied Toxicology, University Medical Center, Geneva, Switzerland [228]

**Stephanie Saxton-Daniels, MD**

Department of Dermatology, The University of Texas Southwestern Medical Center, Dallas, TX [64]

**Ernst J. Schaefer, MD**

Senior Scientist and Director Lipid Metabolism Laboratory Jean Mayer USDA HNRCA at Tufts University, Boston, MA [135]

**Hans Schaefer, PhD**

Professor, Retired [215]

**Mark Jordan Scharf, MD**

Clinical Professor of Medicine, Division of Dermatology, University of Massachusetts Medical School, Worcester, MA [209]

**Stefan M. Schieke, MD**

Department of Dermatology, Boston University School of Medicine, Boston, MA [188]

**Bethanee J. Schlosser, MD, PhD**

Assistant Professor, Department of Dermatology, Feinberg School of Medicine, Northwestern University, Chicago, IL [69]

**Kenneth E. Schmader, MD**

Professor and Chief, Department of Medicine-Geriatrics, Division of Geriatrics, Duke University Medical School, Durham, NC [194]

**Holger Schmid, MD, MSc PD**

Department of Internal Medicine, Ludwig Maximilian University, Munich, Germany [169]

**Steven K. Schmitt, MD**

Head, Section of Bone and Joint Infections, Department of Infectious Disease, Cleveland Clinic, Cleveland, OH [230]

**Robert A. Schwartz, MD, MPH**

Professor and Head, Department of Dermatology, New Jersey Medical School, Newark, NJ [210]

**Aisha Sethi, MD**

Assistant Professor, Department of Dermatology, University of Chicago, Chicago, IL [184]

**Jerry Shapiro, MD, FRCPC, FAAD**

Clinical Professor, Department of Dermatology and Skin Science, University of British Columbia, Vancouver, Canada [88]

**Neil H. Shear, MD, FRCPC**

Professor, Department of Dermatology and Pharmacology, University of Toronto, Toronto, ON, Canada [41]

**Jessica M. Sheehan, MD**

Mohs Surgeon and Dermatologist, Northshore Center for Medical Aesthetics, Northbrook, IL [243]

**Robert L. Sheridan, MD**

Associate Professor, Department of Surgery, Harvard Medical School, Boston, MA [95]

**Jeff K. Shornick, MD, MHA**

Private Practice [59]

**Robert Sidbury, MD, MPH**

Associate Professor, Department of Pediatrics, Division of Dermatology, Seattle Children's Hospital, Seattle, WA [221]

**Nicholas R. Snaveley, MD**

Department of Dermatology Oregon Health & Science University Portland, OR [118]

**Arthur J. Sober, MD**

Professor, Department of Dermatology, Harvard Medical School, Boston, MA [122, 124]

**Richard D. Sontheimer, MD**

Professor, Department of Dermatology, University of Utah School of Medicine, Salt Lake City, UT [155, 156]

**Apra Sood, MD**

Associate Staff, Department of Dermatology, Cleveland Clinic, Cleveland, OH [48, 211, 212]

**Nicholas A. Soter, MD**

Professor of Dermatology, Ronald O. Perleman Department of Dermatology, New York University School of Medicine, New York, NY [163]

**Richard A. Spritz, MD**

Director, Human Medical Genetics Program, School of Medicine, University of Colorado Denver, Aurora, CO [74]

**Divya Srivastava, MD**

Assistant Professor, Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX [119]

**John R. Stanley, MD**

Professor, Department of Dermatology, University of Pennsylvania School of Medicine, Philadelphia, PA [54]

**William G. Stebbins, MD**

Department of Dermatology, Laser and Skin Surgery Center of Indiana, Carmel, IN [253]

**Christopher J. Steen, MD**

Private Practice, Portland, ME [210]

**Martin Steinhoff, MD, PhD**

Full Professor, Department of Dermatology, University of California, San Francisco, San Francisco, CA [102]

**Wolfram Sterry, Prof. Dr.**

Professor and Chairman, Department of Dermatology, Venereology and Allergology, Charité Universitätsmedizin Berlin, Berlin, Germany [145]

**Georg Stingl, MD**

Professor, Department of Dermatology, Division of Immunology, Allergy and Infectious Diseases, Medical University of Vienna, Vienna, Austria [10]

**Stephen P. Stone, MD**

Professor, Division of Dermatology, Southern Illinois University School of Medicine, Springfield, IL [153]

**Bruce E. Strober, MD, PhD**

Assistant Professor, Ronald O. Perleman Department of Dermatology, New York University School of Medicine, New York, NY [214, 220]

**Kathryn N. Suh, MD**

Assistant Professor, Medicine and Pediatrics, University of Ottawa, Ottawa, ON, Canada [207]

**Tung-Tien Sun, PhD**

Professor, Departments of Cell Biology, Pharmacology and Urology, School of Medicine, New York University, New York, NY [46]

**Neil A. Swanson, MD**

Professor and Chair, Department of Dermatology, Oregon Health and Science University Portland, OR [118]

**Susan M. Sweeney, MD**

Assistant Professor, Division of Dermatology, University of Massachusetts Medical School, Worcester, MA [192]

**Virginia P. Sybert, MD**

Clinical Professor, Department of Medicine, Division of Medical Genetics, University of Washington School of Medicine, Seattle, WA [142]

**Rolf-Markus Szeimies, MD, PhD**

Professor and Chairman, Department of Dermatology and Allergology, Klinikum Vest Academic Teaching Hospital, Recklinghausen, Germany [238]

**Moyses Szklo, MD, MPH, DrPH**

Professor, Departments of Epidemiology and Medicine, Johns Hopkins Schools of Public Health and Medicine, Baltimore, MD [2]

**Jean Y. Tang, MD, PhD**

Assistant Professor, Dermatology, Stanford University, Redwood City, CA [116]

**Elizabeth L. Tanzi, MD**

Co-Director, Washington Institute of Dermatologic Laser Surgery, Washington, DC [251]

**Francisco A. Tausk, MD**

Professor, Department of Dermatology, University of Rochester, Rochester, NY [104]

**Charles R. Taylor, MD**

Associate Professor, Department of Dermatology, Harvard Medical School, Boston, MA [90]

**James S. Taylor, MD, FAAD**

Consultant Dermatologist, Department of Dermatology, Dermatology and Plastic Surgery Institute, Cleveland Clinic, Cleveland, OH [48, 211, 212]

**R. Stan Taylor, MD**

Professor, Department of Dermatology, University of Texas Southwestern, Dallas, TX [119]

**Andrew R. Tegeder, MS**

Division of Dermatology, University of Washington School of Medicine, Seattle, WA [120]

**Michael D. Tharp, MD**

The Clark W. Finnerud, MD Professor and Chair, Department of Dermatology, Rush University Medical Center, Chicago, IL [149]

**Diane M. Thiboutot, MD**

Professor, Department of Dermatology, College of Medicine, The Pennsylvania State University, Hershey, PA [79, 80]

**Bruce H. Thiers, MD**

Professor and Chairman, Department of Dermatology and Dermatologic Surgery, Medical University of South Carolina, Charleston, SC [152]

**Valencia D. Thomas, MD**

Assistant Professor, Department of Dermatology, Section of Dermatologic Surgery и Cutaneous Oncology, Yale University School of Medicine, New Haven, CT [118]

**Wynnis Tom, MD**

Assistant Professor, Departments of Pediatrics and Medicine (Dermatology), University of California, San Diego, San Diego, CA [195]

**Kenneth J. Tomecki, MD**

Vice Chairman, Department of Dermatology, Cleveland Clinic, Cleveland, OH [230]

**Antonella Tosti, MD**

Professor, Department of Dermatology и Cutaneous Surgery, Miller School of Medicine, University of Miami, Miami, FL [89]

**Franz Trautinger, MD**

Professor and Head, Department of Dermatology and Venereology, Landeskrankenhaus St. Poelten St. Poelten, Austria [35]

**Jeffrey B. Travers, MD, PhD**

Professor of Dermatology, Pharmacology and Toxicology, Departments of Dermatology, Pharmacology and Toxicology, Indiana University School of Medicine, Indianapolis, IN [177]

**Hensin Tsao, MD, PhD**

Associate Professor, Department of Dermatology, Harvard Medical School, Boston, MA [124]

**Fragkiski Tsatsou, MD, MSc, BSc**

Dermatology Resident, Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany [85]

**Erwin Tschachler, MD**

Professor of Dermatology and Venereology, Department of Dermatology, Medical University of Vienna, Vienna, Austria [128, 197]

**Margaret A. Tucker, MD**

Director, Human Genetics Program, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Bethesda, MD [123]

**Stephen Tyring, MD, PhD**

Clinical Professor, Department of Dermatology, University of Texas Health Science Center, Houston, TX [191]

**Selma Ugurel, MD**

Professor, Department of Dermatology, University of Würzburg, Würzburg, Germany [125]

**Lily Changchien Uihlein, MD, JD**

Resident, Department of Dermatology, Harvard Medical School, Boston, MA [198]

**Jouni Uitto, MD, PhD**

Professor and Chair, Department of Dermatology and Cutaneous Biology, Jefferson Medical College, Philadelphia, PA [63]

**Mark A. Unger, MD, CCFP**

Private Practice, Toronto, ON, Canada [256]

**Robin H. Unger, MD**

Clinical Professor, Department of Dermatology, Mount Sinai School of Medicine, New York, NY [256]

**Walter P. Unger, MD**

Clinical Professor, Department of Dermatology, Mt. Sinai School of Medicine, New York, NY [256]

**Anders Vahlquist, MD, PhD**

Professor, Department of Medical Sciences, Uppsala University, Uppsala, Sweden [228]

**Isabel C. Valencia, MD**

Dermatopathology, Dermopath Diagnostics Bay Area, Tampa, FL [216]

**L. Valeyrie-Allanore, MD**

Department of Dermatology, Université Paris XII, Cedex, France [40]

**Nanja van Geel, MD, PhD**

Professor, Department of Dermatology, Ghent University Hospital, Ghent, Belgium [75]



**Mireille Van Gele, PhD**

Department of Dermatology, Ghent University Hospital, Ghent, Belgium [75]

**Maurice A.M. van Steensel, MD, PhD**

Professor, Dermatology, Maastricht University Medical Center, Maastricht, The Netherlands [50]

**Travis W. Vandergriff, MD**

Chief Resident, Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX [91]

**Evelien Verhaeghe, MD**

Department of Dermatology, Ghent University Hospital, Ghent, Belgium [75]

**Miikka Vakkula, MD, PhD**

Maitre de Recherches du F.N.R.S. Human Molecular Genetics (GEHU) Christian de Duve Institute, Université catholique de Louvain, Brussels, Belgium [172]

**John J. Voorhees, MD, FRCP**

Professor, Department of Dermatology, University of Michigan, Ann Arbor, MI [217]

**Justin J. Vujevich, MD**

Director, Mohs Surgery, Vujevich Dermatology Associates, PC, Pittsburgh, PA [246]

**Daniel Wallach, MD**

Senior Lecturer, Department of Dermatology, Hôpital Tarnier-Cochin, Paris, France [33]

**David J. Weber, MD, MPH**

Professor of Medicine, Pediatrics, and Epidemiology, University of North Carolina, Chapel Hill, NC [180]

**Roger H. Weenig, MD, MPH**

Adjunct Assistant Professor, Department of Dermatology, University of Minnesota, Minneapolis, MN [158]

**Arnold N. Weinberg, MD**

Professor, Infectious Disease Unit, Department of Medicine, Harvard Medical School, Boston, MA [178, 179]

**Martin A. Weinstock, MD, PhD**

Professor, Departments of Dermatology and Community Health, Brown University, Providence, RI [1]

**Elliot T. Weiss, MD**

Laser & Skin Surgery Center of New York, New York and Southampton, NY [252]

**Margaret A. Weiss, MD**

Department of Dermatology Johns Hopkins University School of Medicine, Baltimore, MD [249]

**Robert A. Weiss, MD**

Associate Professor, Department of Dermatology, Johns Hopkins University School of Medicine, Baltimore, MD [249]

**Victoria P. Werth, MD**

Professor, Department of Dermatology, University of Pennsylvania School of Medicine, Philadelphia, PA [224]

**Lucile E. White, MD**

Pearland Dermatology and DermSurgery Associates, The Methodist Hospital, Houston, TX [127]

**Hywel C. Williams, MSc, PhD, FRCP**

Professor of Dermato-Epidemiology, Centre of Evidence-Based Dermatology, University of Nottingham, Nottingham, UK [4]

**Ifor R. Williams, MD, PhD**

Associate Professor, Department of Pathology, School of Medicine, Emory University, Atlanta, GA [11]

**Lynn D. Wilson, MD, MPH**

Professor, Vice Chairman and Clinical Director, Therapeutic Radiology, Yale School of medicine, Yale University, New Haven, CT [240]

**Karen Wiss, MD**

Professor, Department of Medicine (Dermatology) and Pediatrics, University of Massachusetts Medical School, Worcester, MA [192]

**Klaus Wolff, MD, FRCP**

Professor of Dermatology, Chairman Emeritus, Department of Dermatology, Medical University of Vienna, Vienna, Austria [6]

**Stephen E. Wolverton, MD**

Theodore Arlook Professor of Clinical Dermatology, Department of Dermatology, Indiana University School of Medicine, Indianapolis, IN [236]

**Sook-Bin Woo, DMD**

Associate Professor, Department of Oral Medicine, Infection and Immunology, Harvard School of Dental Medicine, Boston, MA [76]

**Gary S. Wood, MD**

Johnson Professor and Chairman, Department of Dermatology, University of Wisconsin School of Medicine and Public Health, Madison, WI [25, 146]

**Robert A. Wood, MD**

Professor, Department of Pediatrics, Johns Hopkins University School of Medicine, Baltimore, MD [229]

**David T. Woodley, MD**

Professor, Department of Dermatology, The Keck School of Medicine, University of Southern California, Los Angeles, CA [60]

**Sophie M. Worobec, MD, FAAD**

Associate Professor, Department of Dermatology, Chicago School of Medicine, University of Illinois, Chicago, IL [70]

**Mina Yaar, MD**

Professor, Department of Dermatology, Boston University School of Medicine, Boston, MA [72, 109]

**Albert C. Yan, MD**

Associate Professor, Departments of Pediatrics and Dermatology, School of Medicine, University of Pennsylvania, Philadelphia, PA [130]

**Kim B. Yancey, MD**

Professor and Chair, Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX [57]

**Gil Yosipovitch, MD**

Professor, Department of Dermatology, Wake Forest University School of Medicine, Winston Salem, NC [103]

**Andrea L. Zaenglein, MD**

Associate Professor, Departments of Dermatology and Pediatrics, Penn State Milton S. Hershey Medical Center, Hershey, PA [80]

**Mozheh Zamiri, BSc (Hons), MBChB, MRCP, MD**

Specialist Registrar, Alan Lyell Centre for Dermatology, Southern General Hospital, Glasgow, Scotland [50]

**Christos C. Zouboulis, MD, PhD**

Professor and Director, Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany [85, 166]

**Kathryn A. Zug, MD**

Professor, Section of Dermatology, Dartmouth Medical School, Hanover, NH [13]

**Melanie Kingsley, MD**

Assistant Professor of Dermatology, Director of Cosmetic Dermatology and Laser Surgery, Department of Dermatology, Indiana University School of Medicine, Indianapolis, IN [243]

# ПРЕДИСЛОВИЕ

Новые сведения способствуют прогрессу медицины, повышая качество оказания медицинской помощи пациентам. Бурный рост научных знаний о заболеваниях и биологии кожи обуславливает своевременность публикации восьмого издания *Fitzpatrick's Dermatology in General Medicine (DIGM)*. Сорок лет назад первое издание «Фиц» явилось насущным учебным пособием, предназначенным обеспечить всеобъемлющие знания по дерматологии. Актуальность дерматологии для клинической практики и фундаментальные научные принципы специальности послужили определяющими моментами нового текста. Данное издание, задуманное как доступное и «читабельное» для всех увлеченных клинической и научной дерматологией, более чем когда-либо закрепляет те, ранее поставленные цели. Это руководство также подчеркивает значимость дерматологии для внутренних болезней и других терапевтических и хирургических дисциплин. Оно написано как для опытных клиницистов и биологов-дерматологов, так и для тех, кто только находится в процессе обучения.

Стремительное накопление новых сведений, актуальных для дерматологии и биологии кожи, заставило значительно пересмотреть написанные ранее и добавить новые главы, касающиеся глобального (всеобщего) дерматологического здоровья, этнических и расовых со-

ображений относительно здоровой и пораженной кожи, а также изучения стволовых клеток. Также значительно расширены разделы, посвященные медикаментозному и хирургическому лечению, что отражает возрастающую важность дерматологических процедур и манипуляций.

Примерно двадцать процентов глав написано с привлечением экспертных знаний новых авторов. Эти авторы привнесли современные точки зрения и гарантии, что содержание книги останется свежим и полным жизненной силы. Пересмотр схематических представлений клинических и фундаментальных научных механизмов, также как алгоритмов клинической помощи обеспечит быструю интуитивную «навигацию» при сохранении точности и важных деталей. В это издание включены дополнительные клинические изображения и новые таблицы, позволяющие бегло просмотреть ключевые моменты каждой главы. Наконец, части книги обозначены различными цветами, что позволит Читателю легко найти интересующие его разделы. Проверенная, хорошо обобщенная и критически интерпретированная информация необходима для лечения пациентов, предотвращения заболеваний кожи и прогресса биологии кожи. Редакторы этого восьмого издания *DIGM*, работая над оригинальным текстом, стремились достичь именно этой цели.

Лоуэлл А. Голдсмит  
Стивен И. Кац  
Барбара А. Джилккест  
Эми С. Паллер  
Дэвид Дж. Леффель  
Клаус Вольф

# ПРЕДИСЛОВИЕ К ВТОРОМУ РУССКОМУ ИЗДАНИЮ

*Глубокоуважаемые коллеги!*

Вы держите в руках новое издание книги «Дерматология Фицпатрика в клинической практике». Мы, как редакторы этого фундаментального труда с большим удовольствием представляем крайне ожидаемую и, безусловно, уникальную книгу.

Успешность «Дерматологии Фицпатрика» в целом подкрепляют продолжающие появляться его переиздания как за рубежом, так — как вот и теперь — у нас в стране. Можно сказать, что сейчас эта концептуальная книга имеет новое лицо и в значительной степени усовершенствованное содержание, в полной мере отвечающее реалиям медицинской науки и практики по всему миру. Безусловно, за этим вновь стоит огромная кропотливая работа переводчиков, коллектива научных консультантов и издателя. Все они заслуживают отдельных слов благодарности.

Перевод этого масштабного фундаментального труда на русский язык позволил нашим коллегам прикоснуться к действительному научно-практическому эталону в нашей специальности. Прорывные открытия и внедрение новых технологий в современной дерматологии лавинообразно нарастают. Человечество вплотную приблизилось к созданию искусственной кожи; сделаны существенные шаги в инновационном лечении ранее инкурабельных опухолей, практически разгаданы ключевые механизмы ряда иммуно-воспалительных дерматозов, разрабатываются новые средства для купирования зуда нестероидной природы и др. С успехом разворачивается дальнейшая интеграция с другими областями медицины: сегодня отчетливо ясно, что современному врачу-дерматовенерологу не обойтись без глубоких знаний медицинской генетики, молекулярной

биологии, патоморфологии, бактериологии, иммунологии, внутренних болезней, педиатрии, ангиологии, эндокринологии, ревматологии, психосоматики, эстетической медицины, гинекологии, андрологии. И такую потребность обновленная «Дерматология Фицпатрика в клинической практике» полностью удовлетворяет.

Поколения клиницистов, ученых, преподавателей и студентов расценивали и продолжают расценивать «Дерматологию Фицпатрика» как самое авторитетное и полное руководство по фундаментальным наукам и клинике, диагностике и лечению в дерматологии. Отличительной чертой этого безусловного бренда является академичность текста, а также, можно сказать, его «пластичность» в отражении всех последних нововведений в нашей специальности.

Таким образом, самые актуальные, самые современные сведения, в то же время базирующиеся на классической основе, обеспечивают Руководству «долгую жизнь» и отдельное место на рабочем столе врача. При редактировании книги у нас, как у ответственных редакторов, сложилось впечатление, что мы держим в руках не только исключительное по своей значимости Руководство по дерматологии, но и Руководство по внутренним болезням, онкологии, генетике, иммунологии, хирургии, педиатрии, стоматологии и другим специальностям. Особо хотим отметить, что в подготовке настоящего восьмого издания приняло участие более 500 всемирно признанных экспертов. Основательно переработано и дополнено, а где-то полностью переписано заново более четверти содержания предыдущего издания книг. Ультрасовременный текст дополняют более чем 3000 великолепных фотографий; усовершенствованы главы,

посвященные биологии кожи, основам дерматологической диагностики, анализу коморбидных соотношений, а также акне, псориазу, опухолям кожи и др. Надеемся, что эта особенность (по сути энциклопедичность) настоящего труда послужит его широкому распространению среди врачей смежных специальностей.

Несмотря на то, что при подготовке настоящего издания предсказуемо возникали определенные сложности из-за различий в российских и зарубежных классификациях, патогенетических подходах, клинической

трактовке, принципах терапии, в вопросах дерматологической семиотики, мы старались найти компромиссные решения, приемлемые для профессионального сообщества нашей страны, основываясь на позиции лучших отечественных научных школ.

Не сомневаемся, что детально написанные главы, вызовут у наших дорогих Коллег особый интерес. Искренне надеемся, что трехтомник второго издания «Дерматологии Фицпатрика в клинической практике» станет настольной книгой для российских врачей на многие годы.

*д-р мед. наук, профессор,  
зав. кафедрой кожных болезней и косметологии  
ФДПО ГБОУ ВПО «Российский национальный  
исследовательский медицинский университет  
им. Н. И. Пирогова» Минздрава России,  
главный внештатный специалист  
по дерматовенерологии и косметологии  
Департамента здравоохранения г. Москвы,  
первый заместитель руководителя  
Департамента здравоохранения г. Москвы;  
Н.Н. Потеев*

*д-р мед. наук, профессор,  
руководитель отдела клинической  
дерматовенерологии и косметологии  
ГБУЗ «Московский научно-практический  
центр дерматовенерологии и косметологии»  
Департамента здравоохранения г. Москвы.  
А.Н. Львов*