

CURRICULUM VITAE

DENNIS E. BABEL, Ph.D., HCLD (ABB)

Present Position: Clinical Laboratory Director
Mycology Consultants Laboratory
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Holland, MI 49423
(616) 405 8613

Education: Michigan Tech University, B.S. (Biology)
Michigan Tech University, B.S. (Medical Technology)
University of Detroit, M.S. (Microbiology)
Michigan State University, Ph.D. (Med. Mycology/Immunology)

Postgraduate Training: Internship (Medical Technology)
Hurley Hosp., Flint, MI.

Medical Mycology
Center for Disease Control, Atlanta, GA.

Certification: American Society of Clinical Pathologists
Board of Registry: MT#84461

American Board of Bioanalysis: HCLD #6501
High-Complexity Clinical Laboratory Director

Appointments: 1972-94 Dir., Dermatology-Microbiology, Henry Ford Hosp., Detroit, MI
1991-99 Consultant, Dermatology, Veterans Admin. Hosp., Allen Park, MI
1993-96 Faculty, Mich. State Univ., Colleges of Medicine & Natural Science
1993-94 Mycology Task Force, American Academy of Dermatology
1994-95 Task Force on Epidemiology, American Academy of Dermatology
1998 F.D.A. Dermatology Advisory Panel (Tinea capitis)

Professional Society Memberships: American Society of Clinical Pathologists
American Association of Bioanalysts
American Society for Microbiology
Medical Mycological Society of the Americas
International Society for Human & Animal Mycology
American Academy of Dermatology
Associates of Clinical Pharmacology
Drug Information Association

Academia:

1972-1994: Henry Ford Hospital, Residency Training Programs

Senior Staff appointment within the Department of Dermatology at Henry Ford Hospital, in Detroit, Michigan. Responsible for the training of Dermatology & Pathology residents in the areas of medical mycology, bacteriology, virology, & parasitology, providing clinical training, as well as didactic lectures and laboratory experience.

1993-1996: Michigan State University

Dual appointments within the Colleges of Medicine & Natural Science

- College of Medicine- Medical Microbiology & Infectious Disease
Basic Science Course for Medical Students
- College of Nat. Science- Medical Mycology for Undergraduate Medical
Technology & Laboratory Science Majors

**Mycology
Consultantships:**

- Hoechst-Roussel Pharm., Inc., Dermatology Division
Somerville, NJ
- Pfizer, Inc., Central Research Division
New York, NY
- Pfizer, Inc., Consumer Health Care Group
New York, NY
- Schering-Plough Corp., Schering Research Division
Kenilworth, NJ
- Galderma Research & Development, Inc., Cranbury, NJ
- Schering-Plough Corp., HealthCare Division
Liberty Corner, NJ
- Dermik Laboratories / Aventis, Inc. Berwyn, PA.
- Ortho Pharmaceutical Corp., Dermatological Division
Raritan, NJ
- Janssen Pharmaceutica, Titusville, NJ
- Novartis Pharmaceuticals Corp., East Hanover, NJ
- Clay-Park Labs / Agis Group, Bronx, NY
- Barrier Therapeutics, Princeton, NJ
- L.Perrigo Co. / Allegan, MI
- Anacor Pharmaceuticals, Inc. / Palo Alto, CA
- TLT Medical Ltd. / Reinach, Switzerland
- NanoBio Corporation / Ann Arbor, MI
- Wave Rx / Waltham, MA
- Keraderm, Inc.,
- Merz Pharmaceuticals / Greensboro, NC

Publications:

- Krull, E.A. and D.E. Babel. 1976. Diagnostic procedures of the skin, Part I. J. Fam. Prac. 3(3):309-312.
- Krull, E.A. and D.E. Babel. 1976. Diagnostic procedures of the skin, Part II. J. Fam. Prac. 3(4):427-431.
- Mikhail, G.R. and D.E. Babel. 1981. *Trichophyton rubrum* infection and keratoderma palmaris et plantaris. Arch. Dermatol. 117:753-754.
- Babel, D.E. and A.L. Rogers. 1983. Dermatophytes: Their contribution to infectious disease in North America. Clin. Microbio. News. 5:81-85.
- Beneke, E.S., J.W. Rippon, and A.L. Rogers. 1984. Human Mycoses. 8th ed. Scope Publication. The Upjohn Co., Kalamazoo, MI. (contributor, pg. 18-19)
- Babel, D.E. 1985. A clinical, mycological and immunological study of juvenile tinea capitis due to *Trichophyton tonsurans*. (Doctoral dissertation)
- Babel, D.E., J.M. Pelachyk, and J.P. Hurley. 1986. Tinea nigra masquerading as acral, lentiginous melanoma. J. Dermatol. Surg. Oncol. 12:502-504.
- Babel, D.E. 1986. Activation of Helper T-lymphocytes seen crucial in *Trichophyton tonsurans* infections. Mycology Observer. 6(4):3.
- Babel, D.E. 1988. Asymptomatic adults may harbor *Trichophyton tonsurans* infection. Mycology Observer. 8(2):1-4.
- Sharma, V., J.C. Hall, J.F. Knapp., D.E. Babel. 1988. Scalp colonization by *Trichophyton tonsurans* in an urban pediatric clinic. Arch. Derm. 124:1511-13.
- Babel, D.E. and S. Baughman. 1989. A study of the adult carrier state in juvenile tinea capitis due to *Trichophyton tonsurans*. J Am Acad Derm 21:1209-12.
- Babel, D.E., Rogers, A.L. and E.S. Beneke. 1990. Dermatophytosis of the scalp: Incidence, immune response, & epidemiology. Mycopathologia. 109:69-73
- Babel, D.E. and D. Levin. 1991. Surgical Photography. In Mohs Micrographic Surgery, W.B. Saunders Co., Philadelphia, PA Chap. 19 G.R. Mikhail, Ed.
- Babel, D.E. 1994. How To Identify Fungi. In: Proceedings of the International Summit On Cutaneous Antifungal Therapy. J Am Acad Derm 31:S108-110.
- Shwayder, T., Andreae, M. and D. Babel. 1994. *Trichophyton equinum* from riding bareback: First reported U.S. case. J Am Acad Derm 30:785-87.
- Babel, D.E. 1995. Immunocompromised patients with both common and uncommon mycoses. Mycology Observer. 13(3):2-4.
- Babel, D.E. 1997. Dermatophytes and nondermatophytes; their role in cutaneous infection. In: Cutaneous Infection & Therapy. Aly, Beutner, Maibach, Eds. pgs. 191-197. Marcel Dekker, Inc., New York, NY
- Leshner, J., Babel, D.E., Stewart, D. et al. 1997. Butenafine 1% cream in the treatment of tinea cruris: a multi-center, vehicle controlled, double-blind trial. J .Amer. Acad. Dermatol. in press.
- Babel, D.E. 1997. Mycoses in the Elderly. J.Geriatr Dermatol 5(4) 132-136.

Publications (cont.):

- Ronald Savin, MD, Lynn Drake, MD, Dennis Babel, PhD, et al. 1998. Pharmacokinetics of three once-weekly dosages of fluconazole (150, 300, or 450mg) in the treatment of distal subungual onychomycosis of the fingernail J Am Acad Derm 38(6):S103-109.
- Lynn Drake, MD, Dennis Babel, PhD, Daniel Stewart, DO. et al. 1998. Once-weekly fluconazole (150, 300, or 450 mg) in the treatment of distal subungual onychomycosis of the fingernail. J. Am Acad Derm 38(6):S87-94.
- Mark Ling, MD, L. Swinyer, MD, Michael Jarratt, MD,(Babel) et al. 1998. Once-weekly fluconazole (450mg) for 4,6, or 9 months of treatment for distal subungual onychomycosis of the toenail. J Am Acad Derm 38(6):S95-102
- Babel, D. E. 1998. Optimal means for treating common mycoses in elderly patients. Skin and Aging. (July) 47-51.
- Leyden, J., R. Aly (Babel)et al. 1999. Update on tinea capitis and new antifungal therapies. Pediatric Infectious Dis J. 18(2):175-216.
- Babel, D. E. 2000. *Fungi*, Sec. III, Chapters 1-6, in Manual of Cutaneous Microbiology for the Office Laboratory. Parthenon Publishing, Pearl River, NY Jack Leshner, Jr. Ed.
- Abrams, B. and D. Babel. 2000. Design of clinical trials to evaluate antimycotic agents in the treatment of dermatophyte infections. In: Cutaneous Biometrics. Maibach & Schwindt, Eds.
- Babel, D.E. 2001. Optimal Diagnosis of Onychomycosis. Mycology Update. 1(1):4.
- Babel, D.E. 2003. Fungal Studies: Collection Procedures and Tests. Part Two, Chap. 20, In: Procedures for Primary Care. J.L.Pfenninger & G.Fowler, Eds., 2nd Edition. Mosby Publishers, St. Louis, MO.,
- Babel, D.E. 2009. "Fungal Studies: Collection Procedures and Tests". In: Procedures for Primary Care. J.L.Pfenninger & G.Fowler, Eds., 3rd Edition. Mosby Publishers, St. Louis, MO.,

Presentations: Papers, Lectures, Courses, Workshops -2000 to Present

(Presentations 1975-2000 available upon request)

"A Review of the Human Mycoses" (Basic Science Course) Henry Ford Hospital, Department of Dermatology, Detroit, MI. January, 2000.

"A Review of the Human Mycoses" (Basic Science Course) Ohio State University, School of Medicine, Department of Dermatology, Columbus, OH. January, 2000.

"Medical Mycology Review" (Basic Science Course) University of Minnesota, School of Medicine, Dept. of Dermatology, Minneapolis, MN. February, 2000.

"Medical Mycology Review" (Basic Science Course) University of Pittsburgh Medical Center, School of Medicine, Dept. of Dermatology, Pittsburgh, PA. February, 2000.

"The Diagnosis & Management of Common Cutaneous Mycoses" 32nd Annual Mtg. Nevada Academy of Family Practitioners, Lake Tahoe, NV. February, 2000.

"Cutaneous & Subcutaneous Mycoses of the Foot & Leg: Epidemiology, Morbidity & Review of Therapy", Annual Meeting of the Midwest Podiatric Association. Chicago, IL April, 2000.

"Clinical & Laboratory Diagnosis of Tinea Pedis" (Training Program) Schering-Plough Clinical Investigator Meeting, Orlando, FL. April, 2000

"Second Annual Joint Medical Mycology Course for Dermatology Residents", (Basic Science Course) The New York Presbyterian Hospital, Columbia Univ., College of Physicians & Surgeons, Dept. of Dermatology, New York, NY. May, 2000

"Medical Mycology Review Course for Combined Dermatology, Pathology & Podiatry Residents and Infectious Disease Fellows", (Basic Science Course) The University of Utah, Dept. of Dermatology, Salt Lake City, UT, February, 2001

"Southern California Medical Mycology Course (Basic Science Course) Loma Linda Medical School, Dept. of Dermatology, Costa Mesa, CA February, 2001.

"Medical Mycology Course for Dermatology Residents", (Basic Science Course) Vanderbilt University, Dept. of Dermatology, Nashville, TN., February, 2001

"The Greater Boston Medical Mycology Review Course for Dermatology Residents", (Basic Science Course) Boston University School of Medicine, Boston, MA, March, 2001

"Medical Mycology Course for Dermatology Residents", (Basic Science Course) Washington University, Dept. of Dermatology, St. Louis, MO., May, 2001

"Mycoses in the Elderly" (Lecture) Sixth Annual International Symposium on Aging Skin. Geisinger Clinic & J. of Geriatric Dermatology. San Diego, CA., May, 2001

"Clinical & Laboratory Evaluation of Onychomycosis" (Training Program) Dermik Investigator Mtg, Univ. of Texas Health Sci. Center (Podiatric Service), San Antonio, TX, August, 2001.

"Medical Mycology Course for Dermatology Residents", (Basic Science Course) Dartmouth Medical School, Dermatology Division, Hanover, NH., October, 2001

"Diagnostic Techniques for Confirmation of Onychomycosis" (Clinical Investigator Training Meeting) Dermik Labs, Inc., San Diego, CA. December, 2001.

"Medical Mycology Review" (Basic Science Course) Wright State University, Dept. of Dermatology, Dayton, OH. March, 2002.

"Medical Mycology Review" (Basic Science Course) Osteopathic Derm Residency Program, Largo, FL. April, 2002

"Medical Mycology Review" (Basic Science Course) University of Miami, Derm Residency Program, Jackson Memorial Hosp., Miami, FL. April, 2002

Presentations: Papers, Lectures, Courses, Workshops (Continued)

"Medical Mycology Review" (Basic Science Course) The University of Michigan Department of Dermatology, Residency Program, Ann Arbor, MI. April, 2002

"Medical Mycology Review Course for Dermatology Residents", (Basic Science Course) Vanderbilt University School of Medicine, Dept. of Derm, Nashville, TN., May, 2002

"Medical Mycology Review" (Basic Science Course) Harvard University School of Medicine, Dept. of Dermatology, Mass. Gen Hospital, Boston, MA, June, 2002.

"Laboratory/Office Diagnosis of Vaginal Candidiasis" (Lecture) Clay-Park Investigators Meeting, Orlando, FL. October, 2002

"Medical Mycology Review" (Basic Science Course) University of Kansas Medical Center Dept. of Dermatology, Kansas City, MO., October, 2002.

"Medical Mycology Review" (Basic Science Course) Oregon Health & Science University Department of Dermatology, Portland, OR, December, 2002.

"Medical Mycology Review" (Basic Science Course) Wayne State Univ., School of Medicine Dept. of Dermatology, Detroit, MI, February, 2003

"Differential Diagnosis & Specimen Collection from Tinea Pedis" (Training Lecture) Altana, Inc. Investigator's Meeting, Wyndham Rose Hall Resort, Montego Bay Jamaica. April 25-27, 2003.

"Medical Mycology Review" (Basic Science Course) Hershey Medical Center, Dept. of Dermatology, Hershey, PA, May, 2003

"Medical Mycology Review" (Basic Science Course) Wright State University, School of Medicine, Dept. of Dermatology, Dayton, OH, June, 2003

"Differential Diagnosis & Specimen Collection from Tinea Pedis" (Training Lecture) Clay-Park Labs, Inc., Investigator's Meeting, Philadelphia, PA June, 2003.

"Medical Mycology Course for Dermatology Residents", (Basic Science Course) Dartmouth School of Medicine, Dermatology Division, Hanover, NH., February, 2004

"Medical Mycology Review" (Basic Science Course) Geisinger Clinic, Dermatology Residency Training Program, Danville, PA, March, 2004

"Medical Mycology Review" (Basic Science Course) Columbia University School of Medicine, Department of Dermatology, New York, NY. March, 2004

"Medical Mycology Course for Dermatology Residents", (Basic Science Course) Dartmouth School of Medicine, Dermatology Division, Hanover, NH., February, 2004

"Medical Mycology Review" (Basic Science Course) Geisinger Clinic, Dermatology Residency Training Program, Danville, PA, March, 2004

"Medical Mycology Review" (Basic Science Course) Columbia University School of Medicine, Department of Dermatology, New York, NY. March, 2004

"Medical Mycology Review" (Basic Science Course) Indiana University, School of Medicine, Department of Dermatology, Indianapolis, IN. May, 2004

"Medical Mycology, Bacteriology & Parasitology Review" (Basic Science Course) Wright State University, School of Medicine, Department of Dermatology, Dayton, OH., June, 2004

Presentations: Papers, Lectures, Courses, Workshops (Continued)

"Medical Mycology Review" (Basic Science Course) Henry Ford Hospital, Department of Dermatology, Detroit, MI January, 2005

"Differential Diagnosis & Specimen Collection from Tinea Pedis" (Training Lecture) Altana Inc., Investigator's Meeting, Paradise Island, Bahamas, January, 2005

"Medical Mycology Review" (Basic Science Course) Stanford University, Department of Dermatology, Stanford, CA, March, 2005

"Medical Mycology Review" (Basic Science Course) Wright State University, School of Medicine, Dept. of Dermatology, Dayton, OH, June, 2005

"Medical Mycology Review" (Basic Science Course) Oregon Health & Science University, Department of Dermatology, Portland, OR, September, 2005

"Medical Mycology Review" (Basic Science Course) Vanderbilt University, Department of Dermatology, Nashville, TN., November, 2005

"Medical Mycology Review" (Basic Science Course) BAMC (Army/Air Force Combined Dermatology Residency Training Programs), Ft. Sam Houston, TX December, 2005

"Medical Mycology Review" (Basic Science Course) University of Utah School of Medicine, Department of Dermatology, Salt Lake City, UT., January, 2006

"Medical Mycology Review" (Basic Science Course) Wayne State University School of Medicine, Department of Dermatology, Detroit, MI., January, 2006

"Epidemiology, Differential Diagnosis & Treatment of Candidiasis" (Training Lecture) Barrier Therapeutics, National Sales Training Meeting, Princeton, NJ, January, 2006

"Medical Mycology Review" (Basic Science Course) University of Miami School of Medicine, Department of Dermatology, Miami, FL., February, 2006

"Medical Mycology Review" (Basic Science Course) University of Vermont School of Medicine, Department of Dermatology, Burlington, VT, March, 2006

"Epidemiology, Differential Diagnosis & Treatment of "Candida Diaper Dermatitis" (Training Lecture) Barrier Therapeutics, National Sales Training Meeting, Princeton, NJ, April, 2006

"Medical Mycology Review" (Basic Science Course) Albert Einstein College of Medicine of Yeshiva University, Montefiore Medical Center, Department of Dermatology, Bronx, NY, April, 2006

"Medical Mycology Review" (Basic Science Course) Columbia University, College of Physicians & Surgeons, Department of Dermatology, New York, NY, May, 2006

"Epidemiology, Differential Diagnosis & Treatment of Distal Subungual Onychomycosis" (Training Lecture) Barrier Therapeutics, Scientific Investigator's Meeting, La Jolla, CA., September, 2006

"Anacor Onychomycosis Advisory Panel", (board meeting), Palo Alto, CA., December, 2006

"Maximizing Specimen Collection for Laboratory Diagnosis of Distal Subungual Onychomycosis" (Training Lecture) NanoBio Corp., Scientific Investigator's Meeting, Dallas, TX January, 2007

"Medical Mycology Review" (Basic Science Course) Henry Ford Hospital, Department of Dermatology, Detroit, MI., February, 2007

"Medical Mycology Review" (Basic Science Course) Stanford University, Department of Dermatology, Stanford, CA, March, 2007

Presentations: Papers, Lectures, Courses, Workshops (Continued)

"Medical Mycology Review" (Basic Science Course) Harvard University School of Medicine, Dept. of Dermatology, Mass. Gen Hospital, Boston, MA, May, 2008

"Medical Mycology Review" (Basic Science Course) Wayne State University School of Medicine, Department of Dermatology, Detroit, MI., February, 2008

"Medical Mycology Review" (Basic Science Course) University of Florida, School of Medicine, Department of Dermatology, Gainesville, FL March, 2004

"Medical Mycology Review" (Basic Science Course) Columbia University School of Medicine, Department of Dermatology, New York, NY. May, 2008

"Epidemiology & Differential Diagnosis of *Tinea Cruris*" (Clinical Investigator Training Course) Merz Pharmaceuticals, San Juan, Puerto Rica. March, 2009.

"Epidemiology & Differential Diagnosis of *Tinea Pedis*" (Clinical Investigator Training Course) Topica Pharmaceuticals, Palo Alto, CA April, 2009.

"Medical Mycology Course for Dermatology Residents", (Basic Science Course) Dartmouth School of Medicine, Dermatology Division, Hanover, NH., April, 2009