

CURRICULUM VITAE

NAME: Chester Ray Cooper, Jr., Ph.D.

PRESENT POSITION: Associate Professor
Department of Biological Sciences
Youngstown State University
One University Plaza
Youngstown, Ohio 44555-3601
Office Telephone: (330) 941-1361
Departmental Facsimile: (330) 941-1843
E-mail: crcooper01@ysu.edu

EDUCATION:

- 1979 B.S., Biology
University of Pittsburgh at Johnstown - Johnstown, Pennsylvania
- 1983 M.A., Microbiology
University of Texas - Austin, Texas
Thesis Title: "Localization of Cell-Wall Components During Vegetative Morphogenesis in *Wangiella dermatitidis*"
- 1989 Ph.D., Microbiology
University of Texas - Austin, Texas
Dissertation Title: "Induced Parasexual Genetic Analysis of the Imperfect, Pathogenic Fungus *Wangiella dermatitidis*: Identification of Selected Morphogenic and Biosynthetic Complementation Groups"

RESEARCH INTERESTS:

My primary research interests focus on the molecular basis of fungal morphogenesis, particularly with regard to gene and protein expression patterns as they relate to the virulence. The models I use for these investigations are the dimorphic pathogens, *Penicillium marneffeii* and *Wangiella (Exophiala) dermatitidis*.

PROFESSIONAL:

- 2004 – present Associate Professor, Department of Biological Sciences
Youngstown State University, Youngstown, Ohio
- 2002 - present Full Member, Graduate Faculty, School of Biomedical Sciences
Program in Cellular and Molecular Biology
Kent State University, Kent, Ohio
- 2000 - 2004 Assistant Professor, Department of Biological Sciences
Youngstown State University, Youngstown, Ohio
- 2000 - present Member, School of Graduate Studies
Youngstown State University, Youngstown, Ohio
Full Member, 2007 – present; Associate Member, 2000 - 2006

PROFESSIONAL: (continued)

- 1995 - 2001 Graduate School of Biomedical Sciences
Graduate Program in Experimental Pathology
University of Texas Medical Branch, Galveston, Texas'
Special Member, 2000 – 2001; Member, 1999 – 2000; Associate Member,
1995 – 1998
- 1994 - 2000 Assistant Professor, Department of Pathology
University of Texas Medical Branch, Galveston, Texas
- 1994 - 2000 Member, WHO Collaborating Center for Tropical Diseases
University of Texas Medical Branch, Galveston, Texas
- 1994 - 2000 Assistant Professor, Department of Dermatology
University of Texas Medical Branch, Galveston, Texas
- 1994 - 2000 Associate Director, Medical Mycology Research Center
University of Texas Medical Branch, Galveston, Texas
- 1993 - 1994 Assistant Professor, Department of Dermatology
Case Western Reserve University, Cleveland, Ohio
- 1993 - 1994 Associate Director, Mycology Reference Laboratory
Center for Medical Mycology, University Hospitals of Cleveland
Case Western Reserve University, Cleveland, Ohio
- 1993 - 1994 Medical Mycologist (consultant), Dermatological Service
Veterans Administration Hospital, Cleveland, Ohio
- 1993 Supervisor, Northeast Regional Tuberculosis DNA Typing Laboratory
Wadsworth Center for Laboratories and Research
New York State Department of Health, Albany, New York
- 1990 - 1993 Adjunct Assistant Professor
Department of Pathology and Laboratory Medicine
Albany Medical College, Albany, New York
- 1990 Adjunct Assistant Professor, Evening Division
Russell Sage College, Albany, New York
- 1989 - 1992 Supervisor, Special Diagnostics Unit, Mycology Reference Laboratories
Wadsworth Center for Laboratories and Research
New York State Department of Health, Albany, New York
- 1989 - 1993 Associate Director, Regulated Medical Waste Program
New York State Department of Health, Albany, New York
- 1989 - 1993 Research Scientist II (granted tenure in 1991)
Wadsworth Center for Laboratories and Research
New York State Department of Health, Albany, New York
- 1985 - 1989 Instructor, Division of Natural Sciences
Austin Community College, Austin, Texas
- 1984 - 1989 Graduate Research Assistant, Department of Microbiology
University of Texas, Austin, Texas
- 1979 - 1984 Teaching Assistant
Department of Microbiology and Division of Biological Sciences
University of Texas, Austin, Texas

EXTRAMURAL RESEARCH FUNDING:

- 2003 - 2006 National Science Foundation, Award #0330883
"C-RUI: Proteomic Profiling of Dimorphism in *Penicillium marneffe*"
\$696,996; Principal Investigator
- 1998 - 1999 Procter and Gamble Company
"*Malassezia* Species Associated with Dandruff and the Normal Scalp"
\$68,000; Principal Investigator
- 1998 - 1999 National Foundation for Infectious Diseases, Young Investigator Award
"Differential Gene Expression in *Penicillium marneffe*: An Emerging AIDS-Related Pathogen"
\$4,000; Principal Investigator
- 1998 - 2003 National Aeronautics and Space Administration
"Space Flight Effects on Fungal Growth, Metabolism and Sensitivity to Antifungal Drugs"
\$295,910; Co-Investigator
- 1997 - 1998 Schering-Plough Research Institute
"*In vivo* Comparison in a Murine Animal Model of SCH 56592, Amphotericin B, and Itraconazole Against *Penicillium marneffe*"
\$26,881; Principal Investigator
- 1995 American Biotech
"Susceptibility of Fungi to Microguard"
\$500; Principal Investigator
- 1994 Gardiner-Caldwell SynerMed
"Susceptibility Testing of the Antifungal Agent Terconazole"
\$3,000; Principal Investigator
- 1993 - 1994 Glaxo Dermatology
"Determination of Length of Time Therapeutic Levels of Oxiconazole Reside in the Skin"
\$24,536; Co-Investigator
- 1993 - 1994 Alamar, Inc.
"Selection of Quality Control Organisms for Tube Dilution and Alamar Antifungal Susceptibility Test"; \$7,500; Principal Investigator

INTRARAMURAL RESEARCH FUNDING:

Youngstown State University:

- 2006 Faculty Improvement Leave
Youngstown State University
"Acquisition of Training in the Molecular Genetic Manipulation of the Pathogenic Fungus, *Wangiella dermatitidis*"
(Release time: Fall semester [12 hours])
- 2005 - 2006 Research Professorship
Youngstown State University
"Proteomic Profiling of *Wangiella dermatitidis*"
(Release time: 8 semester hours)

INTRARAMURAL RESEARCH FUNDING: (continued)

Youngstown State University: (continued)

- 2005 - 2006 University Research Council, Youngstown State University
URC Grant Award #06-2005
"Proteomic Profiling of *Wangiella dermatitidis*"
\$4,750; Principal Investigator
- 2005 University Research Council, Youngstown State University
Research Assistantship (Ms. Lisa Tarcy)
"Macrophage Response to Infection by *Penicillium marneffe*"
\$1,460; Principal Investigator
- 2003 - 2004 Research Professorship
Youngstown State University
"Macrophage Response to Infection by *Penicillium marneffe*"
(Release time: 8 semester hours)
- 2003 - 2004 University Research Council, Youngstown State University
URC Grant Award #04-2003
"Antigen Introduction in Animal Feeds via *Lactobacillus*"
\$4,500; Principal Investigator
- 2003 University Research Council, Youngstown State University
Research Assistantship (Mr. Donald Brown)
"Proteomic Profiling of Cytoplasmic Proteins from *Wangiella*"
\$1,460; Principal Investigator
- 2003 University Research Council, Youngstown State University
Research Assistantship (Ms. Rebecca Ruppert)
"Proteomic Profiling of the Cell Walls of *Wangiella*"
\$1,460; Principal Investigator
- 2003 University Research Council, Youngstown State University
Research Assistantship (Mr. Antulio Aroche)
"Chitin Synthase Homologues from *Penicillium marneffe*"
\$1,460; Principal Investigator
- 2002 - 2003 University Research Council, Youngstown State University
"Northeastern Ohio Center for Proteomics"
\$47,000; Co-Principal Investigator (with Drs. Walker and Kim)
- 2002 - 2003 Research Professorship
Youngstown State University
"Role of Isocitrate Lyase in the Virulence of *Penicillium marneffe*"
(Release time: 8 semester hours)
- 2002 - 2003 University Research Council, Youngstown State University
URC Grant Award #16-02
"Microbial Profiling: Developing a Center for Proteomics Research at YSU"
\$14,000; Co-Principal Investigator (with Drs. Walker and Kim)
- 2002 University Research Council, Youngstown State University
Research Assistantship (Mr. Thomas D. Gifford)
"Electrophoretic Karyotype of *Penicillium marneffe*"
\$1,460; Principal Investigator

INTRARAMURAL RESEARCH FUNDING: (continued)

Youngstown State University: (continued)

- 2002 University Research Council, Youngstown State University
Research Assistantship (Mr. Abi Omot)
“Genetic Transformation of *Penicillium marneffe*”
\$1,460; Principal Investigator
- 2001 - 2002 University Research Council, Youngstown State University
URC Grant Award #12-2001
“Gene-Disruption Mutants of *Penicillium marneffe*”
\$4,925; Principal Investigator
- 2001 University Research Council, Youngstown State University
Research Assistantship (Mr. Thomas D. Gifford)
“Electrophoretic Karyotype of *Penicillium marneffe*”
\$1,460; Principal Investigator

University of Texas Medical Branch:

- 1997 - 1999 John Sealy Memorial Foundation, University of Texas Medical Branch
“Expression of Cell Wall-Associated Genes During Phase Transition of
Penicillium marneffe”
\$30,000; Principal Investigator
- 1995 Small Grants Program, University of Texas Medical Branch
“Phase Transition in *Penicillium marneffe*”
\$12,500; Principal Investigator

HONORS:

- 2006 Faculty Improvement Leave (Fall Semester), Youngstown State University
- 2005 Research Professorship, Youngstown State University
- 2004 Dean’s Award, YSU School of Graduate Studies and Research
- 2004 Distinguished Professor Award for Scholarship, Youngstown State University
- 2004 Smith-Murphy Award, YSU Student Government Association
- 2003 Research Professorship, Youngstown State University
- 2002 Research Professorship, Youngstown State University
- 2002 Selected for inclusion in *Who’s Who Among America’s Teachers*, 2002 (7th ed.)
- 1998 Young Investigator Award, National Foundation for Infectious Diseases
- 1989 Milton Huppert Graduate Student Award (First Annual); presented by the Medical
Mycological Society of the Americas for excellence in mycologic research
- 1989 Elected to Sigma Xi, The Scientific Research Society
- 1988 Raymond W. Sarber Fellowship; presented by the American Society for
Microbiology for outstanding graduate student research
- 1988 Professional Development Award; presented by the University of Texas
- 1987 O. B. Williams Award; presented by the Texas Branch of the American Society
for Microbiology for best student research presentation

HONORS: (continued)

- 1987 Curtis Eklund Award (First Annual); presented by the Department of Microbiology, University of Texas, for excellence in teaching and service
- 1986 Elected to Phi Kappa Phi Honorary Society
- 1983 Academic Scholarship, University of Texas
- 1983 President's Fellowship; presented by the American Society for Microbiology
- 1983 Sigma Xi Research Award
- 1982 O. B. Williams Certificate of Meritorious Achievement; presented by the Texas Branch of the American Society for Microbiology, for an outstanding student research presentation

UNIVERSITY SERVICE:

Youngstown State University

University

- 2006 OEHS Associate Director Search Committee
- 2006 YSU Higher Learning Commission Accreditation Committee
- 2006 Promotion Appeals Committees (2), Chair
- 2005 - 2006 "Anti-Spam" Committee
- 2005 College of Arts and Sciences Dean Search Committee
- 2004 Sabbatical/FIL Committee
- 2003 - present Faculty Advisor, Student Government Association
- 2003 - 2006 Faculty Advisor, AED/Pre-Medical Society
- 2003 - present Chemical Hygiene Committee
- 2002 - present Academic Senate
 - Departmental Representative, 2002-2004; At-Large Representative, 2004 – present; Member, Executive Committee, 2007
 - Positions Held: Vice Chair, 2003 – present; Member, Student Academic Affairs Committee, 2002-2004; Member, Honors Committee, 2004 – 2006; Chair, Ad Hoc Committee on Search Waivers, 2004 – 2005; Representative to Master Plan Committee, 2004; Representative to Space Committee, 2004

College of Arts and Sciences

- 2003 - present College Prep Tech Advisory Committee (Biotechnology)
- 2004 - 2005 BS/MD Professional Coordinator Search Committee
- 2003 - 2004 Pre-Medical/Pre-professional Advisor
- 2003 Professional Master's Degree Grant Proposal Committee
- 2003 Teacher Issues Committee
- 2003 Dean's Ad Hoc Committee on Curriculum Requirements
- 2002 Member, Professional Masters Degree Planning Committee

UNIVERSITY SERVICE: (continued)

Youngstown State University (continued)

School of Graduate Studies and Research

- 2006 University Research Council Award Committee
- 2006 Graduate Student Grievance Committee
- 2001 Research Professorship Award Committee

Department of Biological Sciences

- 2006 Governance Document Review Committee, Chair
- 2004 Faculty Search Committee (Prokaryotic Microbiologist), Chair
- 2004 Promotion Committee
- 2004 - present Safety Committee Representative (Division of Microbiology and Molecular Biology)
- 2002 - 2004 Research Committee Representative (Division of Microbiology and Molecular Biology)
- 2000 Minor in Biology Committee (Division of Microbiology and Molecular Biology)

University of Texas Medical Branch

Graduate School of Biomedical Sciences

- 1997 - 1999 Recruitment Committee
- 1997 - 1999 Appeals Committees
- 1996 - 1999 Co-Director, Summer Undergraduate Research Program
- 1996 - 1998 Member, Ad Hoc Curriculum Review Committee
- 1996 Awards Committee

Experimental Pathology Graduate Program

- 1996 - 2000 Preliminary Exam Committees, various graduate students
- 1995 - 1999 Admissions and Recruitment Committee
Co-Chair (1995); Chair (1996-1999)

Department of Pathology

- 1998 - 2000 Fellowship Selection Committee
Clayton Foundation Pre-Doctoral Training Grant
WHO Collaborating Center for Tropical Diseases
- 1997 - 2000 Fellowship Selection Committee
Emerging and Tropical Diseases Pre-Doctoral Training Grant
WHO Collaborating Center for Tropical Diseases
- 1995 - 1996 Faculty Compensation Plan Committee

Department of Dermatology

- 1995 - 2000 Residency Selection Committee

Department of Internal Medicine, Division of Infectious Diseases

- 1998 - 2000 Fellowship Selection Committee
Emerging and Reemerging Infectious Diseases Post-Doctoral Training Grant

TEACHING EXPERIENCES:

Department of Biological Sciences, Youngstown State University [dates indicate when course was first taught; "*" indicates non-participation in teaching a given course over the past two years]

Undergraduate Courses

- 2006 Medical Mycology (BIOL 4849)
- 2006 Biology of Fungi (BIOL 4848)
- 2002 Senior Biology Capstone Experience (BIOL 4861)
- 2001 Microbiology; Lecture (BIOL 3702) and Laboratory (BIOL 3702L)
- 2000* Microbiology for the Health Professions; Lecture (BIOL 1560) and Laboratory (BIOL 1560L)
- 2000 Problems in Biology: Microbiology (4850K) and Microbiology/immunology (BIOL 4850N)
- 2000* Advanced Microbiology (BIOL 5840)

Graduate Courses

- 2006 Biology of Fungi (BIOL 6848)
- 2002 Seminar in Biological Sciences (BIOL 6988)
- 2001 Topics in Clinical and Environmental Microbiology (BIOL 7000)

School of Medicine, University of Texas Medical Branch [dates indicate duration of participation in a given course]

- 1995 - 2000 Integrated Curriculum Evaluation Exercise
- 1995 - 2000 Integrated Learning Track
- 1995 - 1997 Introduction to Patient Evaluation
- 1997 - 2000 Lecture, "Introduction to Mycology", Fungal Diseases Block
Medical Microbiology Course, School of Medicine
- 1996 "Aspergillosis and Pseudallescheriasis", Infectious Diseases Block,
Pathology Course, School of Medicine

Experimental Pathology Graduate Program, University of Texas Medical Branch [dates indicate duration of participation in a given course]

- 1994 Lecture, "Tropical Medical Mycology"
Tropical Diseases (PATH 6318)
- 1995 - 2000 Lecturer, Introduction to Research (PATH 6210)
- 1995 - 2000 Evaluator, Teaching in Pathology (PATH 6237)
- 1995 Lecturer, "Molecular Taxonomy of Fungi"
Evolution of Infectious Diseases (PATX 6000-011)
- 2001 Lecturer, "Medical Mycology"
Pathogenesis of Infectious Disease (PATH 6360)
- 2001 Lecturer, "Paracoccidioidomycosis"
Frontiers of Infectious Disease (PATH 6245)

TEACHING EXPERIENCES: (continued)

Graduate School of Biomedical Sciences, University of Texas Medical Branch

2000 "Fungal Diseases", one lecture hour; Infectious Diseases Block,
Integrated Curriculum, Graduate School of Biomedical Sciences

School of Public Health, New York State Department of Health, Albany, New York [dates
indicate duration of participation]

1991 - 1993 Lectures, "Fungal Genetics"
Molecular Biology and Genetics (BMS605)

School of Medical Technology, Albany Medical Center, Albany, New York [dates indicate
duration of participation]

1990 - 1992 "Medical Mycology" - workshop

Russell Sage College, New York

1990 "Mycology" - undergraduate course (BIO366-30)

Division of Natural Sciences, Austin Community College

1985 - 1989 "Microbiology" (BIO2704 and BIO1703) and "General Biology"
(BIO1654) - lecture/laboratory courses for undergraduates and
nursing students

Graduate Students Mentored

1996 - 2001 Neil G. Haycocks, Ph.D. (awarded August 2001)
University of Texas Medical Branch, Galveston, Texas
[presently pathology resident at Baylor College of Medicine
Houston, Texas]

1996 - 2000 Elsa M. Haubold, Ph.D. (awarded May 2000)
University of Texas Medical Branch, Galveston, Texas
[currently Research Administrator, Florida Marine Research
Institute, St. Petersburg, Florida]

1997 - 1999 James B. Sims - Ph.D. candidate (withdrew from studies)
University of Texas Medical Branch, Galveston, Texas

2000 Raafia Mir - former graduate student at Youngstown State
University, Youngstown, Ohio
[presently a family practice resident at Summa Health/NEOUCOM,
Akron, Ohio]

2000 - 2002 Thomas D. Gifford, M.S. (awarded December 2002)
Youngstown State University, Youngstown, Ohio
[presently pursuing D.O. at Lake Erie College of Medicine, Erie,
Pennsylvania]

2000 - 2002 Patthama Pongpom, Ph.D. (awarded April 2004)
Chiang Mai University, Chiang Mai, Thailand
[presently Lecturer/Instructor at Chiang Mai University]

2001 - present Mary Devine - M.S. candidate (non-thesis track)
Youngstown State University, Youngstown, Ohio

TEACHING EXPERIENCES: (continued)

Graduate Students Mentored (continued)

- 2001 - present Sophit Thirach – Ph.D. candidate
Chiang Mai University, Chiang Mai, Thailand
- 2001 - 2003 Kristen Evan - former graduate student at Youngstown State
University, Youngstown, Ohio
[presently pursuing D.O. at Lake Erie College of Medicine, Erie,
Pennsylvania]
- 2001 - 2003 Nikki Pagano - M.S. candidate (withdrew from studies)
Youngstown State University, Youngstown, Ohio
- 2002 Abi Omot - M.S. candidate (withdrew from studies)
Youngstown State University, Youngstown, Ohio
- 2002 - 2003 Antulio Aroche - former graduate student at Youngstown State
University, Youngstown, Ohio
[presently pursuing D.O. at Lake Erie College of Medicine,
Bradenton, Florida]
- 2002 - 2004 Erin O'Brien - M.S. (non-thesis track; awarded May 2004)
Youngstown State University, Youngstown, Ohio
[presently employed at Youngstown State University as BS/MD
program coordinator]
- 2003 - 2004 Donald Brown, M.S. (awarded December 2004)
Youngstown State University, Youngstown, Ohio
[presently employed by the University of Pittsburgh as a research
technician]
- 2003 - 2005 Rebecca Rupert, M.S. (awarded May 2005)
Youngstown State University, Youngstown, Ohio
[presently employed by IAMS/Procter and Gamble Company as
Site Liaison for Animal Welfare]
- 2003 - 2005 Julie Chandler - M.S. (awarded May 2005)
Youngstown State University, Youngstown, Ohio
[presently employed as a research technician within the Proteomics
Research Group at Youngstown State University]
- 2003 - 2005 Lisa Tarcy - M.S. (awarded August 2005)
Youngstown State University, Youngstown, Ohio
[presently pursuing a Pharm. D. degree at the Lake Erie College of
Medicine Pharmacy Program]
- 2005 - present Ms. Karen Stangl - M.S. candidate
Youngstown State University, Youngstown, Ohio
- 2005 - present Ms. Caralisa Breidenbaugh - M.S. candidate
Youngstown State University, Youngstown, Ohio

TEACHING EXPERIENCES: (continued)

Dissertation Committee Member

Daren W. Brown, Ph.D (Albany Medical College, Albany, New York; 1990 – 1994); Christopher W. Robb, Ph.D. (University of Texas Medical Branch, Galveston, Texas; 1998 – 1999); Joan E. Nichols, Ph.D. (University of Texas Medical Branch, Galveston, Texas; 1998 – 1999); Diana Arnett, Ph.D. (Kent State University, Kent, Ohio; 2002 – 2005)

Thesis Committee Member

Mary C. Bradley, M.S. (St. Rose College, Albany, New York; 1991); Lynnette Thomas, M.S. (Youngstown State University, Youngstown, Ohio; 2000 – 2002); Jennifer Moser, M.S. (Youngstown State University, Youngstown, Ohio; 2000 – 2002); Elena Bocola-Mavar, M.S. (Youngstown State University, Youngstown, Ohio; 2000 – 2002); Daniel Landfried, M.S. (Youngstown State University, Youngstown, Ohio; 2002 – 2003); Matt Kesic, M.S. (Youngstown State University, Youngstown, Ohio; 2003 – 2004); Tom D’Elia, M.S. (Youngstown State University, Youngstown, Ohio; 2003 – 2004); Kyle Sobelevki, M.S. candidate (Youngstown State University, Youngstown, Ohio; 2004 – present); Christine Dolphin, M.S. (Youngstown State University, Youngstown, Ohio; 2004 – 2005); Lindsay Hunter, M.S. candidate (Youngstown State University, Youngstown, Ohio; 2004 – present)

Students and Residents Supervised During Research Rotations

University of Texas Medical Branch, Galveston, Texas

Maxwell Hove, M.D., Pathology Resident (1996); Paulette Mhaweck, M.D., Pathology Resident (1996); Lee Skipper, Rotation Student (1996); James Sims, Participant, Summer Undergraduate Research Program (1996); Alex Sabogal, Participant, Summer Research Program for High School Students (1996); Ana Thompson, Medical Student (1996 – 1997); Rebecca Archer, Medical Student (1996 – 1997); Ryan O’Quinn, Medical Student (1997); Ty Meyer, Participant, Summer Research Program for High School Students (1997); Edward McCarthy, Medical Student (1998); Elizabeth Morris, Medical Student (1998); Maria Esquivel, Participant, Summer Research Program for High School Students (1998)

*Youngstown State University, Youngstown, Ohio – Undergraduates (*current or former YSU graduate student)*

2001	Dennis Bernier, Kristen Evan,* Christina Heathcock, John Richley Mayonta Jefferson, Toni Reebel, Rian Quinn, Evita Singh, Zsolt Szekely, Kelly Sabo
2002	Jennifer Grossi, Melissa Philipson, Antulio Aroche,* Sara Ellis, Gina Brophey, Jordan Fonagy, Lindsay Lacher, Danielle Miller, Jaime Torres, Josh Allegretto, Ryan Tekac
2003	Daniel Assion, Julie Chandler,* Laura Clark, Adam Davis, Cameran Drake, Lisa Genco, Timothy Husk, Jaime Miller, Lisa Tarcy,* Adam Vukovic, Nazim Wahab, Christopher Hine, Nicolas Keller, Christopher Raymond
2003 – 2004	Jennifer Mateja
2004	Jeremy Riehm, Sara Pizzino, Robin Wagner,

TEACHING EXPERIENCES: (continued)

Youngstown State University, Youngstown, Ohio – Undergraduates (*current or former YSU graduate student) (continued)

2004 – 2005 Jennie Patton, Erin Treece*

2004 – 2006 Lori MacDonald, Calvin Austin*

2005 Shivani Jindal, Joy Lu, Katie Lozano

Non-YSU Summer Research Undergraduates (participants in our NSF-funded project; *current YSU graduate student)

2004 Brian Brunacini (Denison University, Ohio); Kimberly Larson (University of Scranton, Pennsylvania); Karen Stangl,* (Wells College, New York); Misha Stedrick (Bowling Green State University, Ohio); Stephanie Yazinski (Rochester Institute of Technology, New York)

2005 Lee Radford (Monmouth College, Illinois) Kiley Dare (Ohio Wesleyan University); Chris Pelliccia (Middlebury College, Vermont); Renee Peterkin (Lincoln University, Pennsylvania); Olga Valle (University of Puerto Rico); Kara Segna (Christopher Newport University, Virginia); Misha Stedrick (Bowling Green State University, Ohio)

2006 Zaw Oo (Bates College, Maine) Jessica Brenneman (Ohio Wesleyan University); William Rundle (St. Vincent College, Pennsylvania); Megan Patterson (Lincoln University, Pennsylvania); Olga Valle (University of Puerto Rico); Tressa Flickner (Slippery Rock University); Jon Frommelt (Miami University, Ohio)

Invited Lecture, Workshop, and Round Table Presentations

“The Black Yeasts”. Workshop, National Laboratory Training Network and the Texas Department of Health, Dallas, Texas. May 2, 1991

“The Pathogenic Black Fungi: Clinical and Microbiological Perspectives”. Teleconference, American Society of Clinical Pathologists. December 11, 1991

“DNA Fingerprinting of *M. tuberculosis*”. Workshop: “Multidrug-Resistant TB: Meeting the Challenge”, National Laboratory Training Network, Houston, Texas. June 29, 1993

“Antifungal Agents: What They Are and How They Work”. Teleconference, South Central Association for Clinical Microbiology. March 31, 1994

“The Clinical Relevance of Molecular Technology to the Practicing Clinician Treating/Diagnosing Mycoses” and “Opportunistic and Saprophytic Moulds”. Mycology Workshop, International Summit on Cutaneous Antifungal Therapy, Boston, Massachusetts. November 10, 1994

“Why is Resistance an Issue? MIC Study Results”. Clinical Perspective on Emerging Fungal Resistance: Focus on *Candida* Infections, Interdisciplinary Roundtable, Dallas, Texas. April 25, 1996

“MIC Study Results” and “Antifungal Resistance and Systemic Disease”. National Institute of Child Health and Human Development Lecture Series: “Vulvovaginitis - Causes and Therapies”, Washington, DC. April 24, 1997

TEACHING EXPERIENCES: (continued)

Invited Lecture, Workshop, and Round Table Presentations (continued)

- “Sporotrichosis and Mycetoma: Current Clinical and Epidemiological Aspects”. Medical Mycology (MIC S322), Department of Microbiology, University of Texas, Austin, Texas. July 30, 1997
- “Mechanisms of Antifungal Action and Resistance and Patterns of Emerging Resistance”. Workshop: “Clinical Relevance of Antifungal Susceptibility Testing”, 37th Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, Ontario, Canada. October 30, 1997
- “Mechanisms of Antifungal Action and Resistance and Patterns of Emerging Resistance”. Workshop: “Clinical Relevance of Antifungal Susceptibility Testing”, 38th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, California. September 24, 1998
- “Dimorphism and Differential Gene Expression in the Emerging Pathogen *Penicillium marneffe*”. Biomedical Sciences (Biology 4590, 5590), Department of Biology, Texas A&M University, Corpus Christi, Texas. January 15, 1999
- “Bio-Terrorism: What kind of threat? What kind of policy response”, Round Table Participant in Campus Forum on Global Terrorism and the U.S. Response, Youngstown State University, Youngstown, Ohio. December 6, 2001
- “Close Encounters of the Scholarly Kind – Engaging the Faculty”, Round Table Participant at the Ohio Student Research Forum, Ohio State University, Columbus, Ohio. August 19, 2004.

MEMBERSHIP IN SCIENTIFIC SOCIETIES: (* elected)

Current Member:

- American Society for Microbiology
Ohio Branch of the American Society for Microbiology
Executive Committee (2002-03); President (2003-05); Councilor (2005-06)
International Society for Human and Animal Mycology*
Medical Mycology Society of the Americas
Finance Committee (1990-92); Annual Lecturer Committee, Chair (1994-98)
Sigma Xi, The Scientific Research Society*
Membership Chair, Youngstown State University Chapter (2004 – present)

Former Member:

- American Association for the Advancement of Science
Mycological Society of America
Ohio Academy of Science

OTHER PROFESSIONAL ACTIVITIES:

Editor:

PowerWeb: Microbiology with Annual Editions (published online at <http://www.dushkin.com/powerweb>; 2002 – 2006 when ceased publication)

Editorial Board Memberships:

Medical Mycology (2003 – present)

Ohio Journal of Science (2001 – 2005)

Journal of Clinical Microbiology (1992 – 2000)

Guest Reviewer, Scientific Journals:

Antimicrobial Agents and Chemotherapy (1998); *Applied and Environmental Microbiology* (2007); *Archives for Microbiology* (1993); *Biochimica et Biophysica Acta* (1996); *Clinical Infectious Diseases* (1993 – 1994); *Clinical Microbiology Reviews* (1999); *Environmental Contamination and Toxicology* (1996, 1998); *Fungal Genetics and Biology* (2000); *Infection and Immunity* (1998); *Journal of Clinical Microbiology* (1989 – 1992, 2001 – present); *Journal of Dental Research* (1998); *Journal of Infectious Diseases* (1995 – 2001); *Medical Mycology* (formerly *Journal of Medical and Veterinary Mycology*) (1994 – present); *Microbiology* (2001, 2005); *Microbiological Reviews* (1993); *Mycologia* (1994, 2000); *Naturwissenschaften* (2002); *Ohio Journal of Science* (2001 - 2005)

Guest Reviewer, Textbook:

Untitled Microbiology Text, McGraw Hill (2007)

Microbiology for the Allied Health Sciences, Strelkasuskas (2004 – 2006)

The Microbial Universe by Krieg et al. (2002)

Reviewer, Granting Agencies:

External Reviewer, Netherlands Organisation for Scientific Research, The Netherlands (2004 - 2007)

Institutional Representative, Ohio Plant Biotechnology Consortium (2005)

External Reviewer, Wellcome Trust Foundation, Great Britain (2001)

Ad Hoc Reviewer, AIDS and AIDS-Related Research Study Section 4, National Institutes for Health (1999)

Member, External Review Committee, NIH funded program “Center on Oral Health and Aging,” College of Dentistry, University of Iowa (1994 - 1998)

Ad Hoc Reviewer, National Science Foundation, Program in Systematics (1996-1997)

Ad Hoc Reviewer, American Cancer Society Institutional Research Grant Program, University of Texas Medical Branch (1996 - 1997)

Ad Hoc Reviewer, Small Grants Program, University of Texas Medical Branch (1996)

Ad Hoc Reviewer, National Institutes of Health, Medical Mycology Centers (1994)

Ad Hoc Reviewer, National Science Foundation, Small Business Proposal (1993)

OTHER PROFESSIONAL ACTIVITIES: (continued)

Other Activities:

Featured Luncheon Speaker, QUEST 2006: A Forum for Scholarship, Youngstown State University, April 4, 2006.

Member, Standards Methods Committee, American Water Works Association (2006)

Invited Judge, 10th Annual Poster Session, School of Natural Sciences and Mathematics, Lincoln University, Pennsylvania, October 15, 2005

Certificate of Completion, Basic People Skills Module, Tau Beta Pi Engineering Futures Program, February 7, 2004

Reviewer, YSU School of Graduate Studies and Research - Proposal for M.S. Program in Biotechnology at Kent State University, 2004.

Hosted/Conducted Radio Interview with Nobel Laureate Dr. James Watson, Youngstown State University Skeggs Lecturer, November 5, 2003

Youngstown State University SOAR Faculty Participant, 2003 – 2006

Curriculum Consultant, Section of Molecular Genetics and Microbiology, University of Texas at Austin; Review of course entitled "Biology of Fungi" (2001)

Interviewer, YSU BS/MD Program Applicants, 2001 – 2006

National Committee for Clinical Laboratory Standards Activities

Member, Working Group, Amphotericin B Resistance, Subcommittee on Antifungal Susceptibility Testing (1994)

Observer, Subcommittee on Antifungal Susceptibility Testing (1991 – 2001)

INVITED RESEARCH PRESENTATIONS:

"Parasexual Genetic Analysis of the Pathogenic Fungus *Wangiella dermatitidis*". Medical Mycology Society of New York, New York, New York. October 10, 1989

"Morphogenesis of Black Yeasts". American Society of Microbiology, Anaheim, California. May 17, 1990

"Parasexual Genetic Analysis of Cell Division Cycle Mutants Responsible for Phase Transition in *Wangiella dermatitidis*". Fourth International Mycological Congress, Regensburg, Germany. August 28, 1990

"Epidemics Caused by *Sporothrix schenckii* and *Candida krusei*: Clinical and Molecular Mycology". Centers for Disease Control, Atlanta, Georgia. February 4, 1992

"Nosocomial Infections Caused by *Candida krusei*: Clinical Mycology and Molecular Epidemiology". Department of Infectious Diseases, VA Medical Center, Albany, New York. May 20, 1992

"Molecular Epidemiology of Nosocomial *Candida krusei* Infections". Symposium: "Fungal Infections of the Immunocompromised Host", 27th Annual Tri-State Regional Meeting of the American Society for Microbiology, Saratoga, New York. August 5, 1992

"Phase Transition in *Wangiella dermatitidis*". Fourth Symposium on "Topics in Mycology", Janssen Research Foundation, Cambridge, England. September 4, 1992

"Molecular Epidemiology of Fungal Infections in Immunocompromised Hosts". American Society for Microbiology, Atlanta, Georgia. May 19, 1993

INVITED RESEARCH PRESENTATIONS: (continued)

- “New Technologies and Their Application in Clinical Mycology”. 12th Congress of the International Society for Human and Animal Mycology, Adelaide, Australia. March 17, 1994
- “Molecular Taxonomy of Human Pathogenic Fungi”. American Society for Microbiology, Las Vegas, Nevada. May 27, 1994
- “Molecular Epidemiology of Fungal Infections”. Symposium: “Molecular Medical Mycology”, Fifth International Mycological Congress, Vancouver, British Columbia. August 16, 1994
- “Sporotrichosis: A Clinical and Epidemiological Perspective of a Multistate Outbreak”. Symposium: “Clinical and Laboratory Mycology”, American Academy of Dermatology, New Orleans, Louisiana. February 4, 1995
- “Using Molecular Techniques to Address the Role of Melanin as a Virulence Factor”. Medical Mycology Society of the Americas, Washington, DC. May 21, 1995
- “Melanin as a Virulence Factor in Dematiaceous Fungi”. Fifth Symposium on “Topics in Mycology”, Janssen Research Foundation, Stanford, California. June 28, 1995
- “From Bamboo Rats to Humans: The Emergence of *Penicillium marneffe* as an AIDS Indicator”. 574th Eastern Pennsylvania Branch Meeting of the American Society for Microbiology, Philadelphia, Pennsylvania. December 12, 1995
- “From Bamboo Rats to Humans: The Odyssey of *Penicillium marneffe*”. American Society for Microbiology, Miami Beach, Florida. May 8, 1997
- “*Penicillium marneffe*, An Emerging AIDS-Related Mycosis”. Department of Microbiology, University of Texas, Austin, Texas. July 29, 1997
- “Dimorphism in the Emerging Pathogen *Penicillium marneffe*”. Sixth International Mycological Congress, Jerusalem, Israel. August 24, 1998
- “*Penicillium marneffe*: Clinical and Epidemiological Aspects”. Focus on Fungal Infections, San Diego, California. March 18, 1999
- “*Penicillium marneffe* as an Emerging OI”. 52nd Annual Meetings, Society of Protozoologists, Raleigh, North Carolina. May 27, 1999
- “The Connections Between Bamboo Rats with *Penicillium marneffe*”. 14th Congress of the International Society for Human and Animal Mycology, Buenos Aires, Argentina. May 2000
- “Differential Gene Expression in the Emerging AIDS-Associated Pathogen, *Penicillium marneffe*”. Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand. February 26, 2001
- “Differential Gene Expression During Phase Transition of the Emerging AIDS-Associated Pathogen, *Penicillium marneffe*”. Department of Biology, University of Cincinnati, Cincinnati, Ohio. April 16, 2001
- “Microbial Virulence and the Glyoxylate Cycle: Rediscovery of a Metabolic Pathway”. Department of Chemistry, Youngstown State University, Youngstown, Ohio. September 7, 2001.
- “Phase-Specific Gene Expression During Morphogenesis in *Penicillium marneffe*”. Department of Microbiology, Miami University, Oxford, Ohio. September 25, 2002

INVITED RESEARCH PRESENTATIONS: (continued)

- “Cellular Development and Differential Gene Expression in the Pathogenic Fungus, *Penicillium marneffe*”. Department of Biological Sciences, Kent State University, Kent, Ohio. April 3, 2003.
- “Proteomic Profiling of Dimorphism in the Pathogenic Fungus, *Penicillium marneffe*”. Chester R. Cooper, Jr., Thomas D. Kim, and Gary R. Walker. First International Fungal Proteomics Symposium, Portland, Oregon. October 21, 2004.
- “Molecular Aspects of Dimorphism in the Pathogenic Fungus, *Penicillium marneffe*”. Department of Biology, Lincoln University, Pennsylvania. October 14, 2005.
- “Molecular Aspects of Dimorphism in the Pathogenic Fungus, *Penicillium marneffe*”. Department of Biomedical Sciences, Ohio University College of Medicine, Athens, Ohio. October 17, 2005.
- “Molecular Aspects of Dimorphism in, *Penicillium marneffe*, a Unique Human Fungal Pathogen”. Department of Biology, Slippery Rock University, Slippery Rock, Pennsylvania. October 28, 2005.
- “Molecular Aspects of Dimorphism in the Pathogenic Fungus, *Penicillium marneffe*”. Department of Biology, Bates College, Maine. February 7, 2006.
- “Protein Profiling of Dimorphism in the Fungal Pathogen, *Penicillium marneffe*”. Eighth International Mycological Congress, Carins, Australia. August 22, 2006.

SYMPOSIUMS/MEETINGS ORGANIZED:

- “Fungal Infections of the Immunocompromised Host”. 27th Annual Tri-State Regional Meeting, American Society for Microbiology, Saratoga, New York. August 5, 1992
- “Molecular Medical Mycology”. Mycological Society of America, Athens, Georgia. June 22, 1993
- “Molecular Medical Mycology”. Fifth International Mycological Congress, Vancouver, British Columbia. August 16, 1994
- Joint Meeting of the Ohio Academy of Science and Ohio Branch of the American Society for Microbiology, Youngstown State University, April 16-17, 2004

PUBLISHED JOURNAL ARTICLES: (in peer-reviewed journals)

1. COOPER CR Jr, Harris JL, Jacobs CW, Szaniszlo PJ. Effects of polyoxin AL on cellular development in *Wangiella dermatitidis*. *Exp Mycol* 8:349-363, 1984.
2. Nelson, M, COOPER CR, Crowley DE, Reid CPP, Szaniszlo PJ. An *Escherichia coli* bioassay of individual siderophores in soil. *J Plant Nutr* 11:915-924, 1988.
3. Salkin IF, COOPER CR Jr, Bartges JW, Kemna ME, Rinaldi, MR. *Scedosporium inflatum* osteomyelitis in a dog. *J Clin Microbiol* 30:2797-2800, 1992.
4. Dixon DM, Migliozi J, COOPER CR Jr, Solis O, Breslin B, Szaniszlo PJ. Melanized and non-melanized multicellular form mutants of *Wangiella dermatitidis* in mice: mortality and histopathology studies. *Mycoses* 35:17-21, 1992.
5. COOPER CR Jr, Breslin BJ, Dixon DM, Salkin IF. DNA typing of isolates associated with the 1988 sporotrichosis epidemic. *J Clin Microbiol* 30:1631-1635, 1992.

PUBLISHED JOURNAL ARTICLES: (in peer-reviewed journals; continued)

6. COOPER CR Jr, Dixon DM, Salkin IF. Laboratory-acquired sporotrichosis. *J Med Vet Mycol* 30:169-171, 1992.
7. Supparatpinyo E, Nelson KE, Merz WG, Breslin BJ, COOPER CR Jr, Sirisanthana T. Response to antifungal therapy by human immunodeficiency virus-infected patients with disseminated *Penicillium marneffe*. Infections and in vitro susceptibilities of isolates from clinical specimens. *Antimicrob Agents Chemother* 37:2407-2411, 1993.
8. COOPER CR Jr, Szaniszló PJ. Evidence for two cell division cycle (CDC) genes that govern yeast bud emergence in the pathogenic fungus *Wangiella dermatitidis*. *Infect Immun* 61:2069-2081, 1993.
9. Lenon PA, COOPER CR Jr, Salkin IF, Lee SB. Ribosomal DNA internally transcribed spacer analysis supports synonymy of *Scedosporium inflatum* and *Lomentospora prolificans*. *J Clin Microbiol* 32:2413-2416, 1994.
10. Salkin IF, McGinnis MR, COOPER CR Jr, Rippon JW, Beneke ES. Current priorities for the clinical mycology laboratory. *J Med Vet Mycol* 32(Supplement #1):309-319, 1994.
11. Rex JH, COOPER CR Jr, Merz WG, Anaissie EJ. Detection of amphotericin B-resistant *Candida* species in a broth-based system. *Antimicrob Agents Chemother* 39:906-909, 1995.
12. Pfaller MA, Bole M, Buschelman B, Lancaster M, Espinel-Ingroff A, Rex JH, Rinaldi MG, COOPER CR, McGinnis MR. Quality control guidelines for National Committee for Clinical Laboratory Standards recommended broth macrodilution testing of amphotericin B, fluconazole, and 5-fluorocytosine. *J Clin Microbiol* 33:1104-1107, 1995.
13. Peng M, COOPER CR Jr, Szaniszló PJ. Genetic transformation of the dematiaceous phaeohyphomycotic fungus *Wangiella dermatitidis*. *Appl Microbiol Biotechnol* 44:440-450, 1995.
14. Vanittanakom N, COOPER CR Jr, Chariyalertsak S, Youngchim S, Nelson KE, Sirisanthana T. Restriction endonuclease analysis of *Penicillium marneffe*. *J Clin Microbiol* 34:1834-1836, 1996.
15. COOPER CR, McGinnis MR. *In vitro* susceptibility of clinical yeast isolates to fluconazole and terconazole. *Am J Obstet Gynecol* 176:1626-1631, 1996.
16. Espinel-Ingroff A, Bowden R, Meneses P, Bartlett M, McGinnis M, COOPER C, Odds F, Pfaller M, Messer BS, Rex J, Nelson P, Rinaldi M, Fothergill A, Shankland J, Walsh T, Peter J, Weitzman I, Chin NX. A multicenter evaluation of the standardization of antifungal susceptibility testing for the filamentous fungi. *J Clin Microbiol* 35:139-143, 1997.
17. Odds FC, Rinaldi MG, COOPER CR, Fothergill A, Pasarell L, McGinnis MR. *Candida* and *Torulopsis*. A blinded evaluation of use of pseudohypha formation as a basis for identification of medically important yeasts. *J Clin Microbiol* 35:313-316, 1997.
18. McGinnis MR, Pasarell L, Sutton DA, Fothergill AW, COOPER CR Jr, Rinaldi MG. *In vitro* evaluation of voriconazole against some clinically important fungi. *Antimicrob Agents Chemother* 41:1832-1834, 1997.

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19. Hajjeh R, McDonnell S, Reef S, Licitra C, Hankins M, Toth B, Padye A, Kaufman L, Pasarell L, COOPER C, Hutwagner L, Hopkins R, McNeil M. An outbreak of lymphocutaneous sporotrichosis among nursery workers associated with topiary production. *J Infect Dis* 176:499-504, 1997.
20. COOPER CR Jr, McGinnis MR. *Penicillium marneffe*, an emerging acquired immunodeficiency syndrome-related pathogen. *Arch Pathol Lab Med* 121:798-804, 1997.
21. McGinnis MR, Pasarell L, Sutton DA, Fothergill AW, COOPER CR Jr, Rinaldi MG. In vitro evaluation of voriconazole against selected fungi. *Med Mycol* 36:239-242, 1998.
22. Haubold EM, Aronson JF, Cowan DF, McGinnis MR, COOPER CR Jr. Isolation of fungal rDNA from bottlenose dolphin skin infected with *Loboa lobo*. *Med Mycol* 36: 263-267, 1998.
23. Nelson KE, Kaufman L, COOPER CR, Merz WG. *Penicillium marneffe*: infection and biology. *Infect Med* 16: 118-121, 128, 1999.
24. COOPER CR Jr, Haycocks NG. *Penicillium marneffe*: an insurgent species among the penicillia. *J Euk Microbiol.* 47: 24-28, 2000.
25. Haubold EM, COOPER CR Jr, Wen JW, McGinnis MR, Cowan DF. Comparative morphology of *Lacazia lobo* (syn. *Loboa lobo*) in dolphins and humans. *Med Mycol.* 38: 9-14, 2000
26. Restrepo A, Baumagardner DJ, Bagagli E, COOPER CR Jr, McGinnis MR, Lazera MS, Barbosa FH, Bosco SMG, Camargo ZPF, Coelho KIR, Fortes ST, Franco M, Montenegro MR, Sano A, Wanke B. Clues to the presence of pathogenic fungi in certain environments. *Med Mycol* 38(Supplement #1): 67-77, 2000.
27. Pongpom, P., COOPER, C. R., Jr, and Vanittanakom, N. Isolation and Characterization of a yeast-phase specific catalase-peroxidase gene from the pathogenic fungus, *Penicillium marneffe*. *Medical Mycology* 43:403-411, 2005.
28. Vanittanakom, N., COOPER, C. R., Jr., Fisher, M. C., and Sirisanthana, T. *Penicillium marneffe* infection and recent advances in the molecular biology aspect. *Clin Microbiol Rev* 19:95-110, 2006.

BOOK CHAPTERS:

1. Szaniszló PJ, Geis PA, Jacobs CW, COOPER CR Jr, Harris JL. Cell-wall changes associated with yeast-to-multicellular-form conversion in *Wangiella dermatitidis*. In: Schlessinger D, ed. *Microbiology* 1983. Washington, DC: American Society for Microbiology, p. 239-244, 1983.
2. Haines JH, COOPER CR Jr. DNA and mycological herbaria. In: Reynolds DR, Taylor JW, eds. *The fungal holomorph: Mitotic, meiotic and pleomorphic speciation in fungal systematics*. Wallingford, United Kingdom: CAB International, pp. 305-315, 1993.
3. COOPER CR Jr. Phase transition in *Wangiella dermatitidis*: Identification of cell-division-cycle genes involved in yeast bud emergence. In: Vanden Bossche H, Kerridge D, Odds F, eds. *Dimorphic fungi in biology and medicine*. London: Plenum Press, pp. 105-119, 1993.

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4. COOPER CR Jr, Salkin IF. Pseudallescheriasis. In: Murphy JW, Bendinelli M, Friedman H, eds. Fungal infections and immune responses. New York: Plenum Press, pp. 335-358, 1993.
5. COOPER CR Jr, Szaniszlo, PJ. Spheroplast fusion in *Wangiella dermatitidis*. In: Maresca B, Kobayashi G, eds. Molecular biology of pathogenic fungi. A laboratory manual. New York: Telos Press, pp. 527-531, 1994.
6. COOPER CR Jr, Szaniszlo PJ. A spectrophotometric assay for orotidine-5'-monophosphate pyrophosphorylase activity in *Wangiella dermatitidis*. In: Maresca B, Kobayashi G, eds. Molecular biology of pathogenic fungi. A laboratory manual. New York: Telos Press, pp. 537-543, 1994.
7. COOPER CR Jr, Szaniszlo PJ. Melanin as a virulence factor in dematiaceous pathogenic fungi. In: Proceedings of the 5th symposium in mycology: Host-fungus interplay. Bethesda, MD: National Foundation for Infectious Diseases, pp. 81-93, 1997.
8. COOPER CR Jr. New and emerging pathogens - What can the lab do? In: Cihlar RL, Calderone, RA, eds., Fungal pathogenesis: principles and clinical applications. New York: Marcel Dekker, pp. 751-757, 2001.
9. Haubold EM, COOPER CR Jr, McGinnis MR, Cowan DF. Molecular identification of the infective agent of Lobo's disease of dolphins. In: Pfeiffer CJ, ed. Cell and Molecular and Cell Biology of Marine Mammals. Malabar, Florida: Kreiger Publishing Company, pp. 186-192, 2002.
10. COOPER CR Jr. 2005. Deep phaeohyphomycosis. In: Topley and Wilson's Microbiology and Microbial Infections. Vol 4. Medical Mycology, 10th ed. London, pp. 739-748, 2005.

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1. COOPER CR Jr. From bamboo rats to humans: the odyssey of *Penicillium marneffeii*. ASM News 64: 390-397, 1998.

PUBLISHED ABSTRACTS:

[Note: Oral and poster presentations are distinguished from one another. The underlined name of an author is the individual who made an oral presentation of the given abstract.]

1. Wang JY, COOPER CR, Harris JL, Szaniszlo PJ. Effects of polyoxin on yeast and multicellular-form development of *Wangiella dermatitidis*. American Society for Microbiology, Atlanta, Georgia, March 1982. [poster presentation]
2. Szaniszlo PJ, Harris JL, COOPER CR, Schafer RC, Jacobs CW. Cellular development in *Wangiella dermatitidis*. Third International Mycological Congress, Tokyo, Japan, August-September 1983. [poster presentation]
3. Schafer RC, COOPER CR Jr, Szaniszlo PJ. Complementation of two multicellular genes from *Wangiella dermatitidis*. American Society for Microbiology, St. Louis, Missouri, March 1984. [poster presentation]
4. COOPER CR Jr, Szaniszlo PJ. Genetic evidence for cell-division-cycle (CDC) control of multicellular development in *Wangiella dermatitidis*. Mycological Society of America, Ottawa, Canada, June 1987. [poster presentation]

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5. Szaniszlo PJ, Reid CPP, Crowley DE, Newlson MN, COOPER CR. Kinetics of plant iron uptake from microbial siderophores in relation to siderophore quantities in nature. Mycological Society of America, Ottawa, Canada, June 1987. [poster presentation]
6. Nelson M, COOPER CR, Crowley DE, Reid CPP, Szaniszlo PJ. Bioassay for individual siderophores in soil. Fourth International Symposium on Iron Nutrition and Interactions in Plants, Albuquerque, New Mexico, July 1987. [poster presentation]
7. COOPER CR Jr. Confirmation of cell-division-cycle (CDC) genes in *Wangiella dermatitidis* by segregant analysis of MBC-treated, spheroplast-fusion products. American Society for Microbiology, Miami, Florida, May 1988. [oral presentation]
8. COOPER CR Jr, Harris JL, Szaniszlo PJ. Restriction fragment polymorphisms of intact chromosomes to differentiate dematiaceous fungi. American Society for Microbiology, Miami, Florida, May 1988. [poster presentation]
9. COOPER CR Jr., Szaniszlo PJ. Evidence for diploidy in *Wangiella dermatitidis*, a pathogen of humans. Mycological Society of America, Davis, California, August 1988. [oral presentation]
10. COOPER CR Jr, Harris JL, Szaniszlo PJ. Differentiation of clinical strains of dematiaceous yeasts by restriction fragment polymorphisms. Mycological Society of America, Davis, California, August 1988. [poster presentation]
11. COOPER CR Jr., Szaniszlo PJ. Biochemical and genetic characterization of uracil auxotrophs derived from the pathogenic fungus *Wangiella dermatitidis*. American Society for Microbiology, Anaheim, California, May 1990. [oral presentation]
12. COOPER CR Jr. Parasexual genetic analysis of cell division cycle mutants responsible for phase transition in *Wangiella dermatitidis*. Fourth International Mycological Congress, Regensburg, Germany, August 1990. [oral presentation]
13. Dixon DM, Migliozi J, COOPER CR Jr, Solis O, Breslin B, Szaniszlo PJ. Melanized and non-melanized multicellular form mutants of *Wangiella dermatitidis* in mice: mortality and histopathology studies. American Society for Microbiology, Dallas, Texas, May 1991. [poster presentation]
14. Limberger, RJ, Cronin, K, Cooper, CR: Genomic megabase restriction endonuclease mapping of *Treponema phagedenis* strains Kazan 5 and Reiter. American Society for Microbiology, Dallas, Texas, May 1991. [poster presentation]
15. COOPER CR Jr, Breslin BJ, Dixon DM, Salkin IF. DNA typing of strains associated with 1988 multistate (U.S.) sporotrichosis epidemic. 11th Congress of the International Society of Human and Animal Mycology, Montreal, Quebec, Canada, June 1991. [poster presentation]
16. COOPER CR Jr, Dixon DM, Salkin IF. Laboratory-acquired sporotrichosis. 11th Congress of the International Society for Human and Animal Mycology, Montreal, Quebec, Canada, June 1991. [poster presentation]
17. COOPER CR Jr, Lapa EW, Gordon MA Antifungal susceptibility testing: a reference laboratory's experience. 11th Congress of the International Society for Human and Animal Mycology, Montreal, Quebec, Canada, June 1991. [poster presentation]

PUBLISHED ABSTRACTS: (continued)

18. COOPER CR Jr, DeVost J, Breslin BJ, Dixon DM. DNA typing of the emerging pathogen, *Candida krusei*. NATO Advanced Research Workshop "Molecular Biology and Its Application to Medical Mycology," Taormina, Sicily, Italy, January 1992. [poster presentation]
19. Salkin IF, COOPER CR, Kemna M, Rinaldi R, Bartges JW. *Scedosporium inflatum* osteomyelitis in a dog. American Society for Microbiology, New Orleans, Louisiana, May 1992. [poster presentation]
20. COOPER CR Jr. Phase transition in *Wangiella dermatitidis*. Fourth Symposium on "Topics in Mycology: Fungal Dimorphism," Cambridge, United Kingdom, September 1992. [oral presentation]
21. Lennon PA, Lee SB, COOPER CR, Salkin IF. Comparative DNA restriction and sequence analysis of *Scedosporium inflatum* and *Lomentosora prolificans*. American Society for Microbiology, Atlanta, Georgia, May 1993. [poster presentation]
22. Kemna ME, COOPER CR Jr, Neri RC, Salkin IF. *Cokeromyces recurvatus* isolated from an endo-cervical specimen. American Society for Microbiology, Atlanta, Georgia, May 1993. [poster presentation]
23. Supparatpinyo K, Nelson K, Merz W, Breslin B, COOPER C Jr, Sirisanthana T. Correlation of *in vitro* susceptibility and response to antifungal therapy in AIDS patients with disseminated *Penicillium marneffe* infection in Thailand. Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, Louisiana, October 1993. [poster presentation]
24. COOPER C Jr, Breslin B, Nelson K, Merz W, Supparatpinyo K, Sirisanthana T. *In vitro* susceptibility testing of *Penicillium marneffe* and correlation to patient response. International Summit on Cutaneous Antifungal Therapy, San Francisco, CA, October 1993. [poster presentation]
25. COOPER CR Jr. New technologies and their application in clinical mycology. 12th Congress of the International Society for Human and Animal Mycology, Adelaide, Australia, March 1994. [oral presentation]
26. Lennon PA, COOPER CR Jr, Lee SB, Salkin IF. rDNA ITS analyses provides identification of *Scedosporium inflatum*, *Lomentospora prolificans*, *S. apiospermum* and *Pseudallescheria boydii*. Fifth International Mycological Congress, Vancouver, British Columbia, August 1994. [poster presentation]
27. COOPER CR Jr. Molecular epidemiology of fungal infections. Fifth International Mycological Congress, Vancouver, British Columbia, August 1994. [oral presentation]
28. COOPER CR Jr. The clinical relevance of molecular technology to the practicing clinician treating/diagnosing mycoses. Second International Summit on Cutaneous Antifungal Therapy, Boston, MA, November 1994. [oral presentation]
29. COOPER CR Jr. Opportunistic and saprophytic moulds. Second International Summit on Cutaneous Antifungal Therapy, Boston, MA, November 1994. [oral presentation]
30. COOPER CR Jr, McGinnis MR, Salkin IF. Development of a PCR-based assay to differentiate *Scedosporium prolificans* from *Scedosporium apiospermum*. American Society for Microbiology, Washington, DC, May 1995. [poster presentation]

PUBLISHED ABSTRACTS: (continued)

31. COOPER CR Jr, McGinnis MR. *In vitro* susceptibility of clinical yeast isolates to fluconazole and terconazole. American Society for Microbiology, Washington, DC, May 1995. [poster presentation]
32. COOPER CR Jr, Fothergill AW, McGinnis MR, McGough DA, Padhye AA, Rinaldi MG, Salkin IF. Physiologic and genetic variation of four clinical isolates of *Scedosporium*. American Society for Microbiology, Washington, DC, May 1995. [poster presentation]
33. Pfaller M, Bale M, Buschelman B, Lancaster M, Espinel-Ingroff A, Rex J, Rinaldi M, COOPER CR Jr, McGinnis MR. Quality control guidelines for NCCLS broth macrodilution testing of amphotericin B, fluconazole, and 5-fluorocytosine. American Society for Microbiology, Washington, DC, May 1995. [poster presentation]
34. COOPER CR Jr. Melanin as a virulence factor in dematiaceous pathogenic fungi. Fifth Symposium on "Topics in Mycology: Host-Fungus Interplay," Stanford, CA, June 1995. [oral presentation]
35. COOPER CR Jr. Chitin synthase gene fragments from *Penicillium marneffe*. Fifth Symposium on "Topics in Mycology: Host-Fungus Interplay," Stanford, CA, June 1995. [poster presentation]
36. COOPER CR Jr, McGinnis MR. *In vitro* susceptibility of clinical yeast isolates to fluconazole and terconazole. Infectious Diseases Society for Obstetrics and Gynecology, Traverse City, MI, August 1995. [poster presentation]
37. COOPER CR Jr, McGinnis MR. *In vitro* susceptibility of clinical yeast isolates to fluconazole and terconazole. Third International Symposium on Cutaneous Fungal, Bacterial, and Viral Infection and Therapy, San Francisco, CA, September 1995. [poster presentation]
38. McGinnis MR, Pasarell L, COOPER CR Jr. *In vitro* susceptibility of clinical mould isolates to UK-109,496, amphotericin B, fluconazole and itraconazole. Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, California, September 1995. [poster presentation]
39. Fiskin AM, Rinaldi MG, COOPER CR, McGinnis MR. Substrains of pathogenic *Rhizopus* differentiable by molecular probes and by SEM surface morphology. Infectious Diseases Society of America, San Francisco, California, September 1995. [poster presentation]
40. COOPER CR Jr, McGinnis MR, Kemna M, Buchholz MA, Elewski BE. The reservoir effect of oxiconazole nitrate, 1% cream (OXC) in protecting against *Trichophyton mentagrophytes* infection. American Academy of Dermatology, Washington, DC, February 1996. [poster presentation]
41. COOPER CR Jr. Identification of chitin synthase homologues from *Penicillium marneffe*. American Society for Microbiology, New Orleans, Louisiana, May 1996. [poster presentation]
42. COOPER CR Jr. *In vitro* susceptibility of clinical yeast isolates to fluconazole and terconazole. Fourth Annual Congress on Women's Health, Washington, DC, June 1996. [poster presentation]
43. Haycocks NG, COOPER CR Jr, McGinnis MR. Evidence for a chitin synthase gene from *Madurella mycetomatis*. American Society for Microbiology, Miami, Florida, May 1997. [poster presentation]

PUBLISHED ABSTRACTS: (continued)

44. Haubold EM, Cowan DF, COOPER CR Jr, McGinnis MR. Unusual mycotic infections in stranded western Gulf of Mexico dolphins: phaeohyphomycosis and lobomycosis. Proceedings of 28th Annual International Association for Aquatic Animal Medicine, Harderwijk, The Netherlands, May 1997. [oral presentation]
45. Szanişzlo PJ, Peng M, COOPER CR Jr, Zheng L, Wang Z, Ye XC. Transformation and gene disruption in *Wangiella dermatitidis*. 13th Congress of the International Society for Human and Animal Mycology, Salsomaggiore Terme, Parma, Italy, June 1997. [oral presentation]
46. McGinnis MR, Pasarell L, COOPER CR Jr. *In vitro* susceptibility of clinical dematiaceous fungal isolates against terbinafine, itraconazole, and amphotericin B. Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, Ontario, Canada. October 1997. [poster presentation]
47. Nunn GB, COOPER CR, McGinnis M, Smith DH, Dodge DE. Diagnosis of clinically important fungal pathogens by direct DNA sequencing - a phylogenetic approach using 'expansion segment' sequences. Association for Molecular Pathology, San Diego, California, November 1997. [poster presentation]
48. Haubold EM, COOPER CR, McGinnis MR, Cowan DF. Comparative morphology of *Loboa lobo* in *Tursiops truncatus* and human cutaneous lesions: are they really the same? World Marine Mammal Science Conference, Monaco. January 1998. [oral presentation]
49. Nunn GB, Smith DH, Collins PJ, COOPER CR, McGinnis MR, Lévesque CA, McKemy J, Dodge DE. Fungal species diagnostics – a universal phylogenetic approach using expansion segment sequences. American Society for Microbiology, Atlanta, Georgia, May 1998. [poster presentation]
50. McGinnis MR, Nunn GB, COOPER CR. Correlation of voriconazole susceptibility to phylogeny of pathogenic moulds and dimorphic fungi. European Congress in Medical Mycology, Glasgow, Scotland, May 1998. [poster presentation]
51. COOPER CR Jr, Haycocks NG. Dimorphism in the emerging pathogen *Penicillium marneffe*. Sixth International Mycological Congress, Jerusalem, Israel, August 1998. [oral presentation]
52. COOPER CR Jr. *Penicillium marneffe*: clinical and epidemiological aspects. Focus on Fungal Infections, San Diego, California, March 1999. [oral presentation]
53. COOPER CR, Haycocks NG. *Penicillium marneffe* as an Emerging OI. 52nd Annual Meetings, Society of Protozoologists, Raleigh, North Carolina, May 1999 [oral presentation]
54. Haycocks, NG, McGinnis MR, COOPER CR Jr. Thermally regulated gene expression in the pathogenic fungus *Penicillium marneffe*. American Society for Microbiology, Chicago, Illinois, May/June 1999. [poster presentation]
55. COOPER CR Jr. The connections between bamboo rats and *Penicillium marneffe*. 14th Congress of the International Society for Human and Animal Mycology, Buenos Aires, Argentina, May 2000. [oral presentation was given by Dr. Michael McGinnis due to my unavoidable absence from the Congress]

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56. Haycocks NG, McGinnis MR, COOPER CR Jr. Identification of a differentially regulated malate synthase homologue in *Penicillium marneffe*. American Society for Microbiology, Los Angeles, California, May 2000. [poster presentation]
57. Haycocks NG, COOPER CR Jr., McGinnis MR. Molecular characterization of two glyoxylate cycle genes of *Penicillium marneffe*. American Society for Microbiology, Salt Lake City, Utah, May 2001. [poster presentation]
58. Thomas L, COOPER CR Jr., Usis J, Johnston C. The Characterization and Ecological Succession of Indigenous Yeast in a Chardonnay Fermentation of An Ohio Winery. American Society for Microbiology, Orlando, Florida, May 2002. [poster presentation]
59. COOPER CR Jr., Gifford, TD. Electrophoretic karyotype of *Penicillium marneffe*. 15th Congress of the International Society for Human and Animal Mycology, San Antonio, Texas, May 2003. [poster presentation]
60. Thirach S, COOPER CR, Vanittanakom N. Phagocytosis and Killing of *Penicillium marneffe* by Human Peripheral Blood Leukocytes. 15th Congress of the International Society for Human and Animal Mycology, San Antonio, Texas, May 2003. [poster presentation]
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