

CURRICULUM VITAE
LAUREN O. BAKALETZ, PH.D.

PRESENT TITLE AND AFFILIATION

Vice President for Basic Sciences Research
Director, Center for Microbial Pathogenesis
Tillie E. Coleman Endowed Chair in Pediatric Research
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

College of Medicine Distinguished Professor
Professor, Departments of Pediatrics & Otolaryngology
The Ohio State University College of Medicine

OFFICE ADDRESS

The Research Institute at Nationwide Children's Hospital
Center for Microbial Pathogenesis
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Columbus, OH 43205
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EDUCATION

GRADUATE EDUCATION

1984	The Ohio State University Columbus, OH	Ph.D. Microbiology
1981	The Ohio State University Columbus, OH	M.S. Microbiology

UNDERGRADUATE EDUCATION

1979	The Ohio State University Columbus, OH	B.S. Microbiology
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PROFESSIONAL BACKGROUND

2013 – present	College of Medicine Distinguished Professor, The Ohio State University, Columbus, Ohio
2011 – present	Courtesy Appointment, Microbial Infection & Immunity, The Ohio State University College of Medicine, Columbus, Ohio
2011 – present	Member, Public Health Preparedness for Infectious Diseases, The Ohio State University
2008 – present	Professor, Department of Otolaryngology (joint appointment), The Ohio State University College of Medicine, Columbus, Ohio
2006 – present	Member, Center for Microbial Interface Biology, The Ohio State University
2006 – present	Vice-President for Basic Science Research, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio
2006 – present	Tillie E. Coleman Endowed Chair in Pediatric Research, Nationwide Children's Hospital

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2003 – present	Director, Center for Microbial Pathogenesis, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio
2000 – present	Professor, Department of Pediatrics, Division of Molecular Medicine, O.S.U. College of Medicine, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio
1998 – 2000	Associate Professor, Department of Pediatrics, Division of Molecular Medicine, O.S.U. College of Medicine & Public Health, Children’s Research Institute, Columbus, Ohio
1996 – 1998	Head, Microbial Pathogenesis Section, Division of Otologic Research, Department of Otolaryngology, O.S.U. College of Medicine, Columbus, Ohio
1993 - 1998	Associate Professor, Otological Research Laboratories, Department of Otolaryngology, O.S.U. College of Medicine, Columbus, Ohio
1987 – 1993	Assistant Professor, Otological Research Laboratories, Department of Otolaryngology, O.S.U. College of Medicine, Columbus, Ohio
1986 – 1987	Senior Research Associate, Otological Research Laboratories, Department of Otolaryngology, O.S.U. College of Medicine, Columbus, Ohio
1985 – 1986	Postdoctoral Researcher, Otological Research Laboratories, Department of Otolaryngology, O.S.U. College of Medicine, Columbus, Ohio

ADMINISTRATIVE RESPONSIBILITIES

2015	Member, External Advisory Board, The State University of New York, University at Buffalo T32 Training Grant, Microbial Pathogenesis
2015	Workshop facilitator, 18 th International Symposium on Recent Advances In Otitis Media, National Harbor, MD, (June 7-11, 2015) <i>“An Otitis Media researcher's guide to Chinchilla Genomics: background, applications, tools, and opportunities”</i>
2014 – present	Member, Scientific Advisory Board, ProclaRx
2013 – present	Scientific Advisory Board, Otometrix
2012 – present	Director, Executive Committee, International Society for Otitis Media (ISOM)
2013 – 2015	Chair, Post-Symposium Research Conference to the 18 th International Symposium on Recent Advances in Otitis Media, National Harbor, MD, (June 11-12, 2015).
2012 – 2015	Symposium Co-Director, 18 th International Symposium on Recent Advances in Otitis Media, National Harbor, MD, (June 7 – 11, 2015).
2012 – 2013	Advisor, 7 th Extraordinary International Symposium on Recent Advances in Otitis Media, Stockholm, Sweden, (June 13-16, 2013).
2008 – 2011	Chair, Post Symposium Research Conference on Recent Advances in Otitis Media, New Orleans, LA (June 9-10, 2011). Symposium Co-Director, 10 th International Symposium on Recent Advances in Otitis Media, New Orleans, LA (June 5-9, 2011).
2006 – 2009	Member, Otitis Media Program Committee, 6 th Extraordinary International Symposium on Recent Advances in Otitis Media, Seoul, Korea, (May 6-10, 2009).
2006 – 2007	Member, Program Committee, 9 th International Symposium on Recent Advances in Otitis Media, St. Petersburg, FL, (June 4-8, 2007).
2005	Organizer, IDSA Annual Meeting session entitled <i>“New Insights into and Current Challenges Presented by Polymicrobial Diseases of the Respiratory Tract”</i> , San Francisco, CA (October 6-9).

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- 2002 - 2005 Member, Advisory Committee, ASM sponsored conference "*International Pasteurellaceae 2005*", Kohala Coast, HI, (October 23-26, 2005).
Member, Advisory Council, Fifth Extraordinary International Symposium on Recent Advances in Otitis Media. Amsterdam, The Netherlands, (April 24-27, 2005).
- 2004 Organizer, National Institutes of Health-sponsored workshop, "*Otitis Media Vaccines: Overcoming Obstacles to Progress*", (June 8-9, 2004).
Chair, Molecular Diagnostic/Therapeutics Section, NIDCD/NIH Workshop: "*Translational Research in Hearing and Balance*", (April 27-28, 2004).
- 2002 - 2003 Member, Organizing Committee, ASM sponsored meeting "*Polymicrobial Diseases*", (October, 2003).
Member, Organizing Committee, Eighth International Symposium on Recent Advances in Otitis Media, Ft. Lauderdale, FL, (June, 2003).
- 2001 - 2002 President, Association of Faculty and Professional Women, The Ohio State University.
- 2000 - 2001 Vice President & Program Chair, Association of Faculty and Professional Women, The Ohio State University.
Organizer/Co-Chair, NIDCD & NIAID/NIH-convened workshop entitled "*Otitis Media: New Approaches for Analysis, Treatment and Prevention*", Rockville, MD, (Nov. 29-30, 2000).
Invited Faculty, "Vaccine Strategies" Panel at CME conference entitled *New Paradigms in Infectious Diseases: Applications to Otitis Media*. Allegheny General Hospital, Pittsburgh, PA, (October 13-15, 2000).
- 1998 – 1999 Member, Organizing Committee, Seventh International Symposium on Recent Advances in Otitis Media, Ft. Lauderdale, FL.
- 1996 - 1997 Faculty Member and Program Advisor, Third Extraordinary International Symposium on Recent Advances in Otitis Media, Copenhagen, Denmark, (June 1-5, 1997).
- 1995 Poster Session Coordinator, Sixth International Symposium on Recent Advances in Otitis Media, Ft. Lauderdale, FL.
- 1994 Member, Organizing Committee, Sixth International Symposium on Recent Advances in Otitis Media, Ft. Lauderdale, FL.
- 1993 Member, Organizing Committee, Second Extraordinary International Symposium on Recent Advances in Otitis Media, Oita, Japan.
- 1991 Symposium Coordinator and Poster Session Coordinator, Fifth International Symposium on Recent Advances in Otitis Media, Ft. Lauderdale, FL.
- 1987 Poster Session Coordinator, Fourth International Symposium on Recent Advances in Otitis Media, Bal Harbour, FL.

INTERNAL COMMITTEES

- 2016 – present Member, Women in Medicine and Science Executive Women Group, The Ohio State University, College of Medicine.
- 2016 – present Member, Operations Content Planning Committee, The Ohio State University, Center for Microbial Interface Biology.
- 2016 – present Member, Search Committee, Center for Childhood Cancer and Blood Disorders.
- 2016 – present Co-Chair, Research Conflict of Interest Committee, The Research Institute at Nationwide

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	Children's Hospital.
2013 – present	Member, Shared Resources Advisory Committee, The Research Institute at Nationwide Children's Hospital.
2010 – 2016	Member, Research Conflict of Interest Committee, The Research Institute at Nationwide Children's Hospital.
2008 – present	Member, Small Animal Imaging Facility Oversight Committee, The Research Institute at Nationwide Children's Hospital.
2006 - 2009	Member, Grievance and Appeals Committee, The Ohio State University, College of Medicine.
2006 – 2007	Member, Search Committee, Center Director, Center for Perinatal Research, Columbus Children's Research Institute.
2005 - present	Vice-Chair, Patents and Copyrights Committee, The Research Institute at Nationwide Children's Hospital.
2002 - 2008	Vice-Chair, Appointment, Promotion and Tenure Committee, Department of Pediatrics. Member, Child Health Research Career Development Award (CHRCDA) Internal Advisory Committee.
2002 – 2005	Chair, Institutional Biological & Chemical Safety Committee, Columbus Children's Research Institute.
2001 – 2005	Member, Board of Patents and Copyrights, Columbus Children's Hospital.
2001 – 2002	Member, Children's Research Institute, Branding Strategy Committee. Member, Children's Research Institute, Retreat Planning Committee.
2000 – 2002	Member and Affirmative Action Designee, Search Committee for Director of the Division of Pediatric Hematology Oncology, Columbus Children's Hospital. Member, Appointment, Promotion and Tenure Committee, Dept. of Pediatrics. Member, Investigator Advisory Committee, Children's Research Institute.
2000	Member, Children's Research Institute Retreat Planning Committee.
1997 – 1998	Member and Procedures Oversight Designee, Promotion and Tenure Committee, Department of Otolaryngology.
1996 – 1998	Member of College of Medicine Strategic Planning Committee. Departmental Representative to College of Medicine Faculty Council.
1996	Member of Search Committee for Director of the Office of Industrial Outreach. Member of Board of Regents Equipment Funds Allocation Committee. Member of Search Committee for Director of the Office of Technology Transfer.
1995 – 1998	Member of Neurotology Fellowship Application Evaluation Committee, Department of Otolaryngology.
1993 – 1997	Member and Affirmative Action Representative, Promotion and Tenure Committee, Department of Otolaryngology.
1993 – 1995	Participation in interviewing for selection of Chairman of Pediatric Otolaryngology, Columbus Children's Hospital. Participation in interviewing for selection of Chairman of Pediatric Otolaryngology,

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Columbus Children's Hospital.

Member of Search Committee for Senior Otolaryngologist, Department of Otolaryngology.

- 1993 Participation in interviewing for selection of Associate Vice President for Research/Associate Dean for Research and Graduate Education.
- 1992 – 1998 Member of Resident Research Committee, Dept. of Otolaryngology.
- 1992 Member of *Ad-hoc* Committee, Preparation of Academic Challenge Document for Board of Regents, Department of Otolaryngology.
- Member of *Ad-hoc* Committee, Preparation of Proposal for Ear Research Institute, Department of Otolaryngology.
- Liaison with Olympus League, Department of Otolaryngology.
- Member of College of Medicine Research Committee, The Ohio State University.
- 1989 Member of Search Committee for Research Biochemist, Department of Otolaryngology.
- 1987 – 1998 Participation in Department of Otolaryngology resident applicant interviewing and selection process.

EXTERNAL COMMITTEES

- 2015 Member of Panel on Vaccines, Post-Symposium Research Conference to the 18th International Symposium on Recent Advances in Otitis Media, June 11-12.
- 2011 Member of Panels on: Pathogenesis, Anatomy and Pathology, and Cell Biology; Immunology; Molecular Biology, Biochemistry, Genetics and Animal Models, Post Symp. Research Conf. on Recent Advances in Otitis Media, June 5-9.
- 2007 Chair, Vaccine Panel, Post Symposium Research Conference on Recent Advances in Otitis Media, June 7- 8.
- Member of Panels on: Pathogenesis, Anatomy and Pathology and Cell Biology; Molecular Biology, Biochemistry, Genetics and Animal Models; Microbiology and Immunology, Post-Symp. Research Conference on Recent Advances in OM, June 7-8.
- 2003 Co-Chair, Panel on Vaccines, Post Symposium Research Conference on Recent Advances in Otitis Media, June 7-8.
- Member of Panels on: Cell Biology, Middle Ear Mechanics, Physiology/Pathophysiology, Pathology and Animal Models; Molecular Biology and Biochemistry; Microbiology and Immunology, Post-Symp. Research Conference on Recent Advances in OM, June 7-8.
- 2002 Co-Chair, Symposium on Progress in Development of New Bacterial and Viral Vaccines, Third World Congress on Vaccines and Immunization, Opatija, Croatia, June 4-9.
- 2000 Co-Chair, Workshop on Development of Bacterial Vaccines, Millennium World Congress on Vaccines and Immunisation, Liege, Belgium, Aug. 29-Sept. 3.
- 1999 Member of Panels on: Cell Biology, Pathology and Animal Models; Microbiology and Immunology, Post Symp. Research Conf. on Recent Advances in Otitis Media, June 1-6.
- Co-Chair, Panel on Molecular Biology and Biochemistry, Post Symposium Research Conference on Recent Advances in Otitis Media, June 1-6.
- Co-Moderator, Mini Symposium on 'Antimicrobial Resistance', Post Symposium Research Conference on Recent Advances in Otitis Media, June 1-6.

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- 1997 Session Moderator, 'Immunology & Vaccination', Third Extraordinary International Symp. on Recent Advances in Otitis Media, Copenhagen, Denmark, June 1-5.
- 1995 Member of Panels on: Microbiology, Immunology and Vaccination and Molecular Biology and Biochemistry. Post-Symp. Research Conf. on Rec. Adv. in Otitis Media, June 9-10.
- 1994 Member, Round Table on Immunological Aspects of Otitis Media, VI Intl. Congress of Pediatric Otorhinolaryngology, Rotterdam, The Netherlands, May 29 - June 1.
- 1993 Co-Chairperson, Immunology Session, Second Extraordinary Intl. Symposium on Recent Advances in Otitis Media, Oita, Japan, March 31 - April 3.
- 1991 Member of Panels on: Eustachian Tube and Middle Ear Physiology and Pathophysiology; Microbiology, Immunology, Biochemistry and Vaccination. Post-Symp. Research Conference on Recent Advances in Otitis Media, May 24-25.
- Co-Chairperson of Panel on: Molecular Biology, Post-Symposium Research Conference on Recent Advances in Otitis Media, May 24-25.
- 1990 Member of President's Undergraduate Leadership Award Selection Committee. Wright Award for outstanding student organization advisor, March 28-April 3.
- 1987 Member of Panel on Microbiology, Immunology, Vaccination and Biochemistry, Post-Symp. Research Conference on Recent Advances in Otitis Media, June 4-5.

CONSULTANTSHIPS

- 2006 – 2008 Served as a consultant on NHMRC grant "*Factors that increase occurrence and severity of middle ear infection*" to Jennelle Kyd, Ph.D., Central Queensland University, Australia and Allan W. Cripps, Ph.D., Griffith University Gold Coast, Australia.
- 1994 – 2003 Served as consultant to GlaxoSmithKline Biologicals, Rixensart, Belgium.
- 2000 - 2001 Served as a consultant to Merck Research Laboratories, Rahway, New Jersey.
- 1997 – 1999 Served as consultant to SmithKline Beecham Pharmaceuticals, Philadelphia, PA.
- 1992 – 1995 Served as consultant to Ross Laboratories, Columbus, OH.
- 1992 – 1994 Served as electron microscopy consultant on grant re: the ultrastructural localization of *Mycobacterial* enzymes via immunocytochemical staining to Pappachan E. Kolattukudy, Ph.D., Director, O.S.U. Biotechnology Center, Columbus, OH.
- 1991 - 1994 Served as electron microscopy consultant on grant concerning studies of the pathogenesis of nontypable *H. influenzae* - induced disease to Steven J. Barenkamp, M.D., St Louis University School of Medicine, St. Louis, MO.

POST-PROFESSIONAL RESEARCHERS DIRECTED

Current

- Rachael Rayner, Ph.D., post-doctoral scientist, Feb. 2016 – present.
- Kenneth Brockman, Ph.D., post-doctoral scientist, May 2014 – present.

Past

- Winslo Idicula, M.D., Otolaryngology Fellow, Nov. 2012 – August 2015.
- Michelle Ratkiewicz, D.O., Pulmonary Fellow, June 2012 – July 2014.
- Michael Carruthers, Ph.D., post-doctoral scientist, Aug. 2009 – Jan. 2014.
- Jodi Gustave, M.D., Pulmonary Fellow, Nov. 2010 – June 2013.
- Rabia Akbar, M.D., Critical Care Fellow, May 2011 – July 2012.

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- Rachel Balder, Ph.D., post-doctoral scientist, April 2011 – May 2012.
- Michael Mullins, Ph.D., post-doctoral scientist, Nov. 2010 – Dec. 2011.
- Subinoy Das, M.D., Assistant Professor of Otolaryngology, Aug. 2008 – Nov. 2010.
- Glen McGillivray, Ph.D., post-doctoral scientist, Aug. 2004 – April 2010.
- Ryan Johnson, Ph.D., post-doctoral scientist, June 2008 – Feb. 2010.
- Amanda DeRocco, Ph.D., post-doctoral scientist, Sept. 2008 – Dec. 2009.
- Fang Ye, Ph.D., post-doctoral scientist, July 2006 – May 2008.
- Kevin M. Mason, Ph.D., post-doctoral scientist, Oct. 2000 – March 2008.
- Yi Jin, Ph.D., post-doctoral scientist, Oct. 2005 – Jan. 2006.
- Randall H. Harris, Ph.D., post-doctoral scientist, Nov. 2000 – Jan. 2004.
- Samir Pancholi, D.O., Doctor's Hospital, general internship, Sept. 1998 – June 1999.
- Heidi Dunniway, M.D. Resident, Department of Otolaryngology. Dec. 1995 - June 1999.
- Naoya Miyamoto, M.D., Ph.D., visiting Assistant Professor. Jan. 1995 – Dec. 1996.
- Tatiana Sirakova, Ph.D., post-doctoral researcher. April 1991- 1994.
- Kenji Suzuki, M.D., post-professional researcher. March 1991 - March 1993.
- Thomas Linder, M.D., post-professional researcher. April 1991 - June 1992.
- Robert Daniels, M.D., post-professional researcher. June 1991 - June 1992.
- David H. Darrow, M.D., D.D.S., post-professional researcher. March 1991.
- Keehyun Park, M.D., post-professional researcher. June 1990 - March 1991.
- Mohammed A. Ahmed, Ph.D., post-doctoral researcher. Feb. 1990 – Feb. 1991.
- Yuichi Kurono, M.D., post-professional researcher. July 1989 - April 1991.
- Lishya Liauw, M.D., post-professional researcher, Univ. of Leiden, The Netherlands. Sept. 1989 - March 1990.
- James Coticchia, M.D., Recipient of NIH NRSA-training grant. Oct. 1988 - July 1990.
- Stephen R. Griffith, M.D., Dept. of Otolaryngology resident. 1987–1989.

STUDENTS DIRECTED

Current

- Anita Karthic, New Albany High School student. June 2016 – Aug. 2016.
- Emily Neelans, Pickerington High School Central student. June 2015 – Aug. 2015, June – Aug. 2016.
- Stephen Toone, undergraduate student, Columbus State Community College, May 2015 – present.
- Patrick Azzari, Haddon Heights High School student. June – Aug. 2013, June-Aug. 2014, June 2015-Aug. 2015; undergraduate student, The Ohio State University, June 2016 - present.

Past

- Taylor Branstool, undergraduate student, The Ohio State University. May 2014 – June 2016.
- Michael Ward, undergraduate student, The Ohio State University, June 2012 – June 2016.
- Hannah Wexner, undergraduate student, Harvard University. May 2015 – July 2015.
- Sam Malik, New Albany High School student. June 2015 – Aug. 2015.
- Sankalp Malhotra, M.D./Ph.D. student, Biomedical Sciences Graduate Program, The Ohio State University. July 2012 – Mar. 2015.
- David Long, undergraduate student, Capital University. Oct. 2013 – Aug. 2014.
- David Allen, New Albany High School student. June 2010 – Aug. 2012; undergraduate student, Denison University, May 2014 – Aug. 2014.
- Emily Horne, undergraduate student, Georgetown University, July 2013 – July 2014.
- Kateland Kirk, Columbus Alternative High School student. June 2013 – Aug. 2013; undergraduate student, The Ohio State University, Aug. 2013 – July 2014.
- Nathan Cass, medical student, The Ohio State University. Aug. 2013 – May 2014.
- Michael Gallagher, undergraduate student, The Ohio State University. May 2013 – May 2014.
- Morgan Rittichier, La Canada High School student. July 2011 – Aug. 2011; undergraduate student, The Ohio State University, May 2013 – Jan. 2014.
- Dana Staffen, Olentangy High School student, March – May 2008; undergraduate student, The Ohio State University, Jan. 2009 – June 2012; graduate student, College of Public Health Master of Public Health

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- Graduate Program, The Ohio State University, Sept. 2012 – Jan. 2014.
- Kathleyn Brandstetter, medical student, The Ohio State University. July 2012 – June 2013.
 - Ama Asamoah, Mifflin High School student. June – Aug. 2012.
 - Nathan Marcinkowski, undergraduate student, The Ohio State University, Oct. 2010 – Sept. 2012.
 - Liz Brockson, graduate student, Colleges of Public Health & Veterinary Medicine Master of Public Health/Veterinary Public Health Graduate Program, The Ohio State University. March 2010 – June 2012.
 - Martha Bowers, undergraduate student, The Ohio State University. June 2010 – July 2012.
 - Zach Jordan, undergraduate student, College of William and Mary. June 2008 – Aug. 2008, June 2009 – May 2011.
 - Kyle Oberfell, undergraduate student, University of Southern California. June 2010 – Aug. 2010.
 - Kara Ganser, undergraduate student, University of Dayton. June 2008 – Aug. 2009.
 - Jessica Grieves, graduate student, College of Veterinary Medicine PhD Program, The Ohio State University. Feb. 2008 – Feb. 2009.
 - Leanne Lesko, medical student, The Ohio State University. June 2008 – April 2009.
 - Kate Fenning, medical student, The Ohio State University. June 2007 – April 2008.
 - Sara Keller, undergraduate student, Roanoke College. June – Aug. 2005, June – Aug. 2006, June – Aug. 2007.
 - Beth Gottesman, undergraduate student, Northwestern University. June – Aug. 2007.
 - Joanna Marshall, undergraduate student, The Ohio State University. June 2006 – May 2007.
 - Laura Novotny, graduate student, Department of Molecular Virology, Immunology & Medical Genetics Master of Science Graduate Program, The Ohio State University. April 2004 – Dec. 2011.
 - Allison Parish, Hilliard Davidson High School student. June – Aug. 2003, June-Aug. 2004.
 - Brian Quist, undergraduate student in Biomedical Engineering, University of Illinois (UIUC). June – Aug. 2003, July – Aug. 2004.
 - Andrea den Haan, undergraduate student, The Ohio State University. July 2002 – July 2003.
 - Jon Moses, medical student, The Ohio State University. June – Aug. 2002.
 - Leslie Keller, Buckeye Valley High School student, June-Aug. 1999, June-Aug. 2000. Pre-medical student, Otterbein College. June-Aug. 2001, May-Aug. 2002, May-Aug. 2003, May-Aug. 2004.
 - Jessica Bowers, Buckeye Valley High School student. June-Aug. 2001, June-Aug. 2002.
 - Yael Beck, undergraduate in Molecular Genetics, The Ohio State University. July – Dec. 2001.
 - Aral Sezginis, pre-medical student, The Ohio State University. April – Nov. 2000.
 - Vivek Raizada, first year medical student, SUNY at Stony Brook. July-Sept. 1998.
 - David C. Ford, first year medical student, The Ohio State University. Roessler Research Fellow, June-Sept. 1998.
 - Shani Thompson, undergraduate in Dept. of Microbiology, The Ohio State University. June 1997 – Jan. 1999.
 - Ben Wakefield, pre-medical student, The Ohio State University. Student researcher. June 1996 - Sept. 1996.
 - Rolf Hultsch, first year medical student, The Ohio State University. Roessler Research Fellow, June-Sept. 1996.
 - Susan Thompson, University Honors Scholar, Molecular Genetics. Sept. 1995 – Aug. 1996.
 - Stuart Wahl, Ph.D. student, Department of Microbiology. Member, dissertation committee, Dept. Microbiology, O.S.U., April 1995-Aug. 1996.
 - Lori Ann Benzino, undergraduate in Dept. of Microbiology, O.S.U. 1994 – 1995.
 - Geoffrey Kunz, first year medical student. Roessler Research Fellow, June - Sept. 1994.
 - Beth McGuire, high school honors biology course/mentor program. Nov. 1990 – March 1994.
 - Paul Hoskins, Student researcher. Nov. 1990 – Aug. 1991.
 - Katherine Holmes, B.S., Student researcher; Research Assistant. April 1989 - July 1991.
 - Matthew White, pre-medical student OSU. Recipient of a University Honors Scholarship. Sept. 1989 - March 1991.
 - Nelleke Biljsma, medical student, Univ. of Leiden, The Netherlands. July 1989 – Feb. 1990.
 - George Liu, second year medical student. Roessler Research Fellow, July – Aug. 1989.
 - Charles Bogden, fourth year medical student. Roessler Research Fellow, July 1987.

PROFESSIONAL SOCIETIES

American Society for Microbiology
American Association for the Advancement of Science
Sigma Xi, Scientific Research Society of North America

Honor Society of Phi Kappa Phi
Ohio Branch, A.S.M.

EDITORIAL BOARD

Infection and Immunity 1/1/08 – 12/31/16
Frontiers in Immunology (Review Editor) 6/15/16 - present

INVITED EDITOR

mBio

JOURNAL REVIEW BOARDS – AD HOC

Proceedings of National Academy of Sciences, U.S.A.
The Journal of Infectious Diseases
Molecular Microbiology
Vaccine
Journal of Clinical Microbiology
Clinical, Diagnostic and Laboratory Immunology
Journal of Bacteriology
Journal of the American Medical Association (JAMA)
Applied and Environmental Microbiology
Science
Trends in Microbiology
European Journal of Epidemiology
PLoS Genetics
Pharmacological Research
Annals of Otolaryngology, Rhinology and Laryngology
Otolaryngology - Head and Neck Surgery
Ear, Nose and Throat Journal
Journal of Antimicrobial Chemotherapy

The Laryngoscope
American Journal of Otolaryngology
Antimicrobial Agents and Chemotherapy
Journal of Virology
PLoS Pathogens
Immunology and Cell Biology
Clinical Microbiology and Infection
Microbial Pathogenesis
BMC Genomics
Microbes and Infection
Allergy and Rhinology
Journal of Medical Microbiology
Journal of Cystic Fibrosis
Journal of Visualized Experiments
Scandinavian Journal of Infectious Diseases
Frontiers in Immunology
Nature Reviews Disease Primers

REVIEW BOARDS – AD HOC

American Society for Microbiology, book proposal “*Post-Infectious Sequelae and Long-term Consequences of Infectious Diseases*”, 2009.

ADVISORY BOARDS

- National Institutes of Health, Host Interactions with Bacterial Pathogens (HIBP) Study Section, July 1, 2015 – June 30, 2019.
- National Deafness and Other Communication Disorders Advisory Council, National Institutes of Health, July 2010 – May 2014.

ADVISORY BOARDS-AD HOC

- S.U.N.Y. at Buffalo, External Advisory Board, T32 Training Grant, 2016.
- Reviewer, Medical and Scientific Advisory Committee (MASAC), Asthma Foundation of Western Australia, 2015
- USDA, Agricultural Research Service Project Plan review, January 2011.
- Special Emphasis Panel/Scientific Review Group 2010/08, ZRG1 IDM-L (55) R meeting, National Institutes of Health, June, 2010.

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- Louisiana Board of Regents Research Competitiveness Subprogram, RCS proposal, December 2009.
- Special Emphasis Panel/Scientific Review Group 2009/10, ZDC1 SRB-Y (59), National Institutes of Health, June 12, 2009.
- National Institute on Deafness and Other Communication Disorders, R03 Hearing and Balance review, June 2009.
- National Institutes of Health Challenge Grants (ARRA), June, 2009.
- National Institutes of Health Challenge Grants (ARRA), May, 2009.
- Small Grants Program (R03) Reviewer, NIH/NIDCD ZDC1 SRB-R 37, October 2008.
- Small Grants Program (R03) Reviewer, NIH/NIDCD, October 2008.
- Small Grants Program (R03) Reviewer, NIH/NIDCD, June 2006.
- External Consultant, Program Project grant "Recurrent otitis media and COPD: immunity and vaccines." PI: Timothy Murphy, University at Buffalo, S.U.N.Y., 2004 – 2005.
- Special Emphasis Panel, ZRG1-IFCN-B-03, National Institutes of Health, NIDCD, July 6, 2005.
- Special Emphasis Panel, ZRG1-IFCN-B-03, National Institutes of Health, July 20, 2004.
- Special Emphasis Panel, National Institutes of Health, March 19, 2004.
- The Thrasher Research Fund, Grant Review, September 1, 2003 and January 25, 2004.
- National Institute of Allergy and Infectious Diseases, NIH, Immunological Sciences Study Section, February 28, 2002.
- External Advisory Committee, Sandeep Kathju, M.D., Ph.D. Center for Genomic Sciences, West Penn Allegheny Health System, Pittsburg, PA, 2001.
- Working Group on Concept Clearance, National Institutes of Health, NIDCD, May 23, 2001.
- National Institute of Child Health and Human Development, National Institutes of Health, Joint CDC Initiative, August 18, 2000.
- John Sealy Memorial Endowment Fund for Biomedical Research, Grant Review, University of Texas Medical Branch at Galveston, January, 2000.
- Special Emphasis Panel, Basic and Clinical Studies in Otitis Media, Program grant review, NIH, NIDCD, 3/11/1999.
- Integrative, Functional and Cognitive Neuroscience Study Section (IFCN-6), NIH, October 19-20, 1998.
- S.U.N.Y. at Buffalo - Multidisciplinary Pilot Project Program Seed Grant Program, 1994.
- National Institute on Deafness and Other Communication Disorders - Small Grant Program, 1991.

AWARDS/INVENTIONS

- Patent "*Haemophilus influenzae* type IV pili", issued 4/12/16, U.S. Patent #9,309,294
- Patent "Chimeric Vaccine for *H. influenzae*-Induced Disease", issued 12/8/15, Canadian Patent #2,613,970
- Patent "Genes of an otitis media isolate of nontypeable *Haemophilus influenzae*", issues 5/19/15, U.S. Patent #9,034,642
- Patent "Compositions and methods for the removal of biofilms", issued 4/7/15, U.S. Patent #8,999,291
- Patent "Chimeric Vaccine for *H. influenzae*-Induced Disease", issued 6/3/14, U.S. Patent #8,741,304
- Patent "Genes of an otitis media isolate of nontypeable *Haemophilus influenzae*", issued 2/18/14, U.S. Patent #8,652,773
- Patent "Genes of an otitis media isolate of nontypeable *Haemophilus influenzae*", issued 1/14/14, U.S. Patent #8,628,917
- Patent "*H. influenzae* type IV pili", issued 3/19/13, U.S. Patent #8,399,000
- Patent "Genes of an Otitis Media Isolate of Nontypeable *H. influenzae*", issued 10/9/12, U.S. Patent #8,283,114
- Patent "Chimeric Vaccine for *H. influenzae*-Induced Disease", issued 9/11/12, U.S. Patent #8,263,363
- Patent "Genes of an Otitis Media Isolate of Nontypeable *H. influenzae*", issued 8/7/12, U.S. Patent #8,236,494
- Patent "Genes of an Otitis Media Isolate of Nontypeable *H. influenzae*", issued 8/16/11, U.S. Patent #7,998,490
- Patent "Nontypeable *H. influenzae* Virulence Factors", issued 3/8/11, U.S. Patent #7,901,692
- Patent "*Haemophilus influenzae* Type IV Pili", issued 2/22/11, U.S. Patent #7,893,237
- Patent "Genes of an Otitis Media Isolate of Nontypeable *H. influenzae*", issued 10/19/10, U.S. Patent #7,816,086

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- Patent "Chimeric Vaccine for *H. influenzae*-Induced Disease", issued 10/12/10, U.S. Patent #7,811,591
- Patent "*Haemophilus influenzae* Outer Membrane Protein and Use Thereof in Vaccination", issued 10/12/10, U.S. Patent #7,811,590
- Patent "Methods for reducing nasopharyngeal colonization of non-typable *Haemophilus influenzae* with synthetic chimeric fimbrin peptides", issued 9/7/10, U.S. Patent #7,790,172
- Patent "Nontypeable *H. influenzae* Virulence Factors", issued 5/25/10, U.S. Patent #7,723,504
- Patent "Genes of an Otitis Media Isolate of Nontypeable *Haemophilus influenzae*" issued 12/29/09, U.S. Patent #7,638,282
- Patent "Synthetic Chimeric Fimbrin Peptides" divisional, issued 6/12/07, U.S. Patent # 7,229,622
- Patent "Nontypeable *H. influenzae* Virulence Factors" issued 12/11/07, U.S. Patent #7,306,805
- Patent "Polypeptide Encoded by a Nucleotide Sequence of a Nontypeable Strain of *Haemophilus influenzae*", issued 7/10/07, U.S. Patent #7,241,867
- Patent "*Haemophilus influenzae* Type IV Pili", issued 3/10/09, U.S. Patent # 7,501,131
- Patent "Otitis Media Vaccine", issued 5/13/03, U.S. Patent #6,562,349
- Patent "Method for Nasal Application of a Medicinal Substance", issued 3/25/03, U.S. Patent # 6,537,265
- Patent "Synthetic Chimeric Fimbrin Peptides" divisional, issued 8/20/02, U.S. Patent # 6,436,405
- Patent "Method for Preparing the Fimbrin Protein of *H. influenzae*", issued 2/29/00, U.S. Patent # 6,030,626
- Patent "Vaccine" #WO9964067, PCT/US99/11980, filed 6/11/98 in the U.K., published 12/16/99
- National Institutes of Health, James A. Shannon Director's Award, August 1999
- Patent "Synthetic Chimeric Fimbrin Peptides", issued 12/1/98, U.S. Patent #5,843,464
- Patent "DNA molecules which encode the fimbrin protein of *Haemophilus influenzae*", issued 6/16/98, U.S. Patent # 5,766,608
- Equity and Excellence Award, The Ohio State University, College of Medicine, June 1996
- Equity and Excellence Award, The Ohio State University, College of Medicine, June 1994

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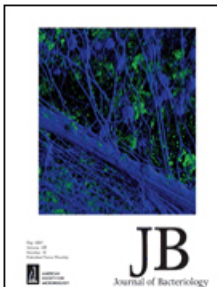
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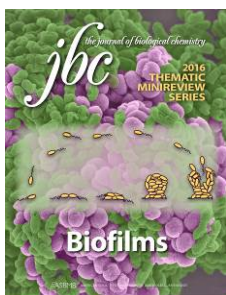


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BOOK CHAPTERS

- **Bakaletz, L.O.** Otitis Media. In: Brogden, K.A. and J.M. Guthmiller, eds., *Polymicrobial Diseases*. American Society for Microbiology Press, Washington, D.C. (2002).
- **Bakaletz, L.O.** Peptide Vaccine for Otitis Media. In: Kastin, A.J. ed., *Handbook of Biologically Active Peptides*. Elsevier, San Diego (2006).
- **Bakaletz, L.O.** Contributor to chapter - *Moraxella catarrhalis* and non-typable *Haemophilus influenzae* vaccines to prevent otitis media. In: Levine, M.M., Dougan, G., Good, M.F., Liu, M.A., Nabel, G.J., Nataro, J.P. and Rappuoli, R., *New Generation Vaccines 4th ed.* Informa Healthcare, New York, NY (2009).
- **Bakaletz, L.O.** Peptide Vaccine for Otitis Media. In: Kastin, A.J. ed., *Handbook of Biologically Active Peptides*. 2nd edition., Elsevier, San Diego (2013).
- **Bakaletz, L.O.** Treatment: Impact of Vaccination and Progress in Vaccine Development. In: Preciado, D. ed., *Otitis Media: State of the Art Concepts and Treatment*. Springer Publishing (2015).

VOLUMES EDITED OR CO-EDITED

- Recent Advances in Otitis Media – Proc. of the Fourth Intl. Symp. B.C. Decker Inc, 1988.
- Recent Advances in Otitis Media – Proc. of the Fifth Intl. Symp. Decker Periodicals, 1993.
- Recent Advances in Otitis Media – Proc. of the Sixth Intl. Symp. B. C. Decker Inc., 1996.
- Recent Advances in Otitis Media – Proc. of the Seventh Intl. Symp. B. C. Decker Inc., 2002.
- Recent Advances in Otitis Media – Proc. of the Eighth Intl. Symp., B.C. Decker Inc., 2005.

INVITED PRESENTATIONS

- "Role of fimbriae in nontypable *Haemophilus influenzae* - induced otitis media." Resident Research Forum, Department of Otolaryngology, The Ohio State University, Columbus, OH, October 26, 1987.
- "Pathogenesis of NTHi - induced Otitis Media." Praxis Laboratories, Rochester, NY, March 30, 1990.
- "Pathogenesis of otitis media induced by nontypable *H. influenzae*." Grand Rounds, Department of Otolaryngology, The Ohio State University, Columbus, OH, May 23, 1990.
- "Cloning and sequence analysis of a fimbrial gene from nontypable *Haemophilus influenzae* strain #1128." Epidemiology, Pathogenesis and Prevention of *Haemophilus influenzae* Disease, Eindhoven, The Netherlands, September 24-28, 1990.
- "Inhibition of adherence of nontypable *H. influenzae* to mucosal epithelial cells." Ross Laboratories, Columbus, OH, August 21, 1991.
- "Modeling otitis media in the chinchilla." Ross Laboratories, Columbus, OH, May 12, 1992.
- "Role of fimbriae in the pathogenesis of nontypable *Haemophilus influenzae*-induced otitis media." Nagoya City University Medical School, Nagoya, Japan, March 27, 1993.
- "Synergistic effect of adenovirus type 1 on experimental nontypable *H. influenzae*-induced otitis media in the chinchilla." Kagoshima ENT Meeting, Kagoshima University, Kagoshima, Japan, March 30, 1993.
- "The effect of immunization with fimbrial protein in a chinchilla model of nontypable *H. influenzae*-induced experimental OM." 2nd Extraordinary Intl. Symp. Recent Adv. in Otitis Media, Oita, Japan, April 2, 1993.
- "Chinchilla model for testing vaccine candidates against otitis media." Novel Vaccine Strategies: New Advances in Vaccine Technologies and Applications, Washington DC, February 23-24, 1994.

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- "Importance of different microbial immunity determinants in protection from otitis media." VI International Congress of Pediatric Otorhinolaryngology, Rotterdam, The Netherlands, May 30 - June 2, 1994.
- "Chinchilla modeling of vaccine efficacy versus otitis media." SmithKline Beecham Biologicals, Rixensart, Belgium, June 3, 1994.
- "Relative importance and specificity of adherence and nasopharyngeal colonization among the etiologic agents of otitis media in exptl. models." NEOSE Tech., Inc. Horsham, PA, August 14, 1995.
- "Pathogenesis and prevention of nontypeable *Haemophilus influenzae*-induced otitis media." Seminar, Department of Microbiology, The Ohio State University, Columbus, OH, September 28, 1995.
- "Results of assessment of the protective efficacy of Fimbrin and LPD used as immunogens against experimental otitis media in a chinchilla model." SmithKline Beecham Biologicals, Rixensart, Belgium, March 25, 1996.
- "Modeling of NTHi-induced otitis media and progress toward development of a vaccine." Miami University, Oxford, OH, September 18, 1996.
- "Carrier states and complicated infections." 1996 *Haemophilus, Actinobacillus and Pasteurella* (HAP) International Conference, Acapulco, Mexico, October 14, 1996.
- "Recent advances in the pathogenesis of otitis media." CME Conference on Current Concepts in Adult and Pediatric Infectious Disease of the Head and Neck, Akron, OH, November, 1, 1997.
- "Developing an otitis media vaccine directed against a bacterial adhesion." The Ohio State University, Sixth Annual Department of Otolaryngology Alumni Symposium, Columbus, OH, June 12, 1998.
- "Developing an otitis media vaccine directed against a bacterial adhesion." The Child Health Research Center Speaker Series, Children's Research Institute, Columbus, OH, October 21, 1999.
- "Developing a Bacterial Vaccine to Prevent Middle Ear Infections." Columbus Children's Hospital Meeting of Joint Boards of Trustees, Columbus, OH, December 9, 1999.
- "Developing an Otitis Media Vaccine Directed Against a Bacterial Adhesin." Meeting of Children's Research Institute Board of Trustees, Columbus, OH, April 21, 2000.
- "Developing an adhesin-based vaccine component directed against nontypeable *Haemophilus influenzae*-induced otitis media." Merck Research Laboratories, Rahway, NJ, June 27, 2000.
- "Peptide and recombinant antigens for protection against bacterial middle ear infection." Millennium World Congress on Vaccines & Immunisation, Liege, Belgium, Sept. 1, 2000.
- "Epitope-targeted vaccine strategy for nontypeable *Haemophilus influenzae*. New Paradigms in Infectious Disease: Applications to Otitis Media." Pittsburgh, PA, October 15, 2000.
- "Using an epitope-targeting strategy to develop a vaccine component for otitis media due to nontypeable *Haemophilus influenzae*." University of Rochester Medical Center, Rochester, NY, February 26, 2001.
- "Epitope-targeting strategy for design of the modern peptide-based vaccine against nontypeable *H. influenzae*." Institute of Immunology, Zagreb, Croatia, June 13, 2001.
- "Otitis media: interaction between viruses and bacteria in an animal model." GlaxoSmithKline Biologicals Second Extramural Symposium, Rixensart, Belgium, April 22-23, 2002.
- "Nontypeable *Haemophilus influenzae*-induced otitis media: molecular methods of pathogenesis and strategies for prevention as derived from chinchilla models." Center for Genomic Sciences, Allegheny General Hospital, Pittsburgh, PA, May 20, 2002.
- "Assessing the immune response to a nontypeable *Haemophilus influenzae* adhesin-derived immunogen when delivered intranasally as a microaerosolized spray to the chinchilla host." 3rd World Congress on Vaccines & Immunisation, Opatija, Adriatic Riviera, Croatia, June 4-9, 2002.
- "Developing a peptide vaccine to prevent nontypeable *Haemophilus influenzae*-induced otitis media." The Ohio State University, College of Medicine and Public Health, Department of Molecular Virology, Immunology and Medical Genetics, Columbus, OH, November 6, 2002.
- "Development and use of an animal model of viral-bacterial synergy to test nontypeable *H. influenzae* adhesin-based vaccine candidates for OM." Cold Spring Harbor Laboratory, Long Island, NY, Sept. 12, 2003.
- "New vaccine developments for the prevention of infectious diseases important to ENT" in section on Infectious Diseases in Otolaryngology: Beyond Bugs and Drugs presented at the American Academy of Otolaryngology - Head and Neck Surgery Foundation 2003 Annual Meeting and OTO Expo, Orlando, FL, September 23, 2003.
- "Vaccines for Otitis Media." Multidisciplinary Symposium on Otitis Media & Sinusitis, Wayne State University, Detroit, MI, October 1, 2003.

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- “Otitis Media.” ASM Conference on Polymicrobial Diseases, Lake Tahoe, NV, October 20, 2003.
- “Development of chinchilla models of viral-bacterial synergy to test vaccine candidates for prevention of nontypeable *Haemophilus influenzae*-induced otitis media.” University of North Carolina, Chapel Hill, NC, November 21, 2003.
- “Development and use of an animal model of viral-bacterial synergy for otitis media due to nontypeable *Haemophilus influenzae*.” 8th Annual Meeting of the US/Japan Cooperative Medical Science Program, Acute Respiratory Infections Panel. San Francisco, CA, March 21-22, 2004.
- “Developing models of viral-bacterial synergy in the chinchilla host to study the pathogenesis and prevention of otitis media.” Medimmune, Inc., Gaithersburg, MD, September 29, 2004.
- “Identifying Vaccine Candidates to Prevent Infection of the Middle Ear (Otitis Media).” 1st Annual Venture Conf. at the Fisher College of Business, The Ohio State University, Columbus, OH, October 29, 2004.
- “Developing models of viral-bacterial synergy in the chinchilla host to study the pathogenesis and prevention of otitis media.” St. Jude Children’s Research Hospital, Memphis, TN, February 9-10, 2005.
- “Demonstration of type IV pilus expression and a twitching phenotype by *Haemophilus influenzae*.” Fifth Extraordinary International Symposium on Recent Advances in Otitis Media, Amsterdam, The Netherlands, April 24-27, 2005.
- “Synergistic relationship between upper respiratory tract viruses and the bacteria that cause otitis media.” Infectious Dis. Society of America (IDSA) 43rd Annual Meeting, San Francisco, CA, October 6-9, 2005.
- “Using a chinchilla superinfection model to study NTHI-induced otitis media and its prevention.” ASM Conference on Pasteurellaceae 2005, Kona, HI, October 23-26, 2005.
- “NTHI-induced diseases of the respiratory tract – Prospects for prevention.” 45th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Washington, DC, December 16-19, 2005.
- “Using a chinchilla superinfection model to study NTHI-induced otitis media and its prevention.” The University of Texas Southwestern Medical Center, Dallas, TX, April 25, 2006.
- “Preclinical studies of Protein D as a candidate vaccine for prevention of NTHI disease.” GSK Advisory Board Meeting for Acute Otitis Media, Paris, France, June 23-24, 2006.
- “Using a chinchilla superinfection model to study NTHI-induced otitis media and its prevention.” University of California, Davis, Sacramento, CA, Oct. 31, 2006.
- “Mechanisms of upper respiratory tract viral predisposition to bacterial superinfection of the mammalian airway.” U.S.-Japan ARI Subcommittee Meeting, Osaka, Japan, January 22-23, 2007.
- “Characterizing the role of the type IV pilus of nontypeable *Haemophilus influenzae* in the pathogenesis of otitis media.” Department of Medical Genetics & Microbiology University of Toronto, Toronto, ON, March 12-13, 2007.
- “Developing a vaccine candidate for the prevention of nontypeable *Haemophilus influenzae*-induced otitis media.” Department of Medical Genetics & Microbiology University of Toronto, Toronto, ON, March 12-13, 2007.
- “The role of bacterial biofilms in chronic and recurrent otitis media.” GSK Satellite Symposium, 17th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Munich, Germany, April 1, 2007.
- “Characterizing the role of the type IV pilus of nontypeable *Haemophilus influenzae* in the pathogenesis of otitis media.” Indiana University School of Medicine, Department of Microbiology and Immunology, Indianapolis, IN, April 12, 2007.
- “Recurrent and persistent OM: understanding the role of biofilms.” Second AOM Working Group Meeting, Tampa, FL, June 3, 2007.
- “Ear infections: On the threshold of a cure.” Dinner with the Docs, New Albany Country Club, Columbus, OH, October 23, 2007.
- “Developing a vaccine candidate for the prevention of nontypeable *Haemophilus influenzae*-induced otitis media.” OSU Department of Speech and Hearing, Columbus, Ohio, January 24, 2008.
- “The Role of the Type IV Pilus of Nontypeable *Haemophilus influenzae* in the Pathogenesis of Otitis Media and Protective Efficacy of Novel Pila-Derived Immunogens.” U.S.-Japan ARI Subcommittee Meeting, Bethesda, MD, February 25, 2008.
- “Current understanding of the molecular mechanisms of the pathogenesis of nontypeable *Haemophilus influenzae*-induced otitis media and recent advances in prospects for prevention.” OSU Department of Otolaryngology Grand Rounds, Columbus, OH, March 6, 2008.

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- “Role of biofilms in otitis media: Evidence and Relevance.” 1st Global Master Class on Childhood Bacterial Respiratory Diseases, Brussels, Belgium, March 28-31, 2008.
- “The role of the type IV pilus of nontypeable *Haemophilus influenzae* in the pathogenesis of otitis media and protective efficacy of novel PilA-derived immunogens.” 20th Annual Buffalo Conference on Microbial Pathogenesis, Buffalo, NY, April 30, 2008.
- “Role of the type IV pilus of *Haemophilus influenzae* in the pathogenesis of otitis media and its protective potential as a vaccine candidate.” ID Grand Rounds - David Geffen School of Medicine at UCLA, Los Angeles, CA, September 26, 2008.
- “Role of the type IV pilus of nontypeable *Haemophilus influenzae* in the pathogenesis of otitis media and protection afforded by novel PilA-derived vaccine candidates.” University of Georgia, Department of Infectious Diseases, Athens, GA, November 3, 2008.
- “Role of the type IV pilus of nontypeable *H. influenzae* in the pathogenesis of otitis media and prospects for anti-PilA mediated treatment or prevention.” Microbiology and Molecular Genetics Fall Seminar Series, Emory University, Atlanta, GA, November 17, 2008.
- “Role of biofilms in otitis media: evidence and relevance.” House Ear Institute Biofilm Workshop, Los Angeles, CA, December 4, 2008.
- “Role of innate immunity in the pathogenesis and prevention of otitis media due to nontypeable *Haemophilus influenzae*.” US Japan ARI Panel Meeting, Chiba City, Japan, February 16-17, 2009.
- “Middle ear host defense and otitis media.” Gordon Research Conference, Understanding Health and Disease Through Antimicrobial Host Defense Peptides, Ventura, CA, March 1-6, 2009.
- “Role of the type IV pilus of nontypeable *H. influenzae* in the pathogenesis of otitis media and prospects for anti-PilA mediated treatment or prevention.” Molecular Virology and Microbiology 5th Annual Retreat, University of Pittsburgh School of Medicine, Pittsburgh, PA, May 1, 2009.
- “Feasibility of intranasal immunization against nontypeable *Haemophilus influenzae*-induced otitis media.” 6th Extraordinary International Symposium on Recent Advances in Otitis Media, Seoul, Korea, May 6-10, 2009.
- “Updates to our understanding of the pathogenesis of otitis media caused by nontypeable *Haemophilus influenzae* and recent development in approaches for prevention.” 6th Extraordinary International Symposium on Recent Advances in Otitis Media, Seoul, Korea, May 6-10, 2009.
- “Mechanisms by which upper respiratory tract viruses predispose to otitis media due to nontypeable *Haemophilus influenzae*.” 2nd Co-Infections Meeting, St. Jude Children’s Research Hospital, Memphis, TN, May 28-29, 2009.
- “Role of the type IV pilus of nontypeable *H. influenzae* in the pathogenesis of otitis media and prospects for vaccine- mediated prevention.” Seattle Children’s Research Institute, Seattle, WA, October 14, 2009.
- “Targeting a *Haemophilus influenzae* protein expressed during biofilm growth *in vivo* for development of a vaccine for otitis media.” 5th ASM Conference on Biofilms, Cancun, Mexico, November 15-19, 2009.
- “Role of the type IV pilus of nontypeable *H. influenzae* in the pathogenesis of otitis media and prospects for vaccine- mediated prevention.” Dept. of Microbiology, Immunology & Molecular Genetics, University of Kentucky, Lexington, KY, March 9, 2010.
- “Developing a vaccine that targets a bacterial biofilm protein for prevention of otitis media.” Microbial Infectious Disease Seminar, University of Southern California, Los Angeles, CA, October 26, 2010.
- “Targeting the nontypeable *Haemophilus influenzae* biofilm for development of novel preventative and therapeutic vaccine candidates.” SUNY Buffalo, Buffalo, NY, March 10, 2011.
- “Targeting the nontypeable *Haemophilus influenzae* biofilm for development of novel preventative and therapeutic vaccine candidates.” University of Toronto Dean’s Lecture Series, Toronto, ON, March 22, 2011
- “Targeting the nontypeable *Haemophilus influenzae* biofilm for development of novel preventative and therapeutic vaccine candidates.” University of Toledo, Toledo, OH, April 6, 2011.
- “Recent advances in otitis media: Microbiology, immunology and animal models.” HinMax2011, Curacao, Netherlands Antilles, August 10-11, 2011.
- “Targeting the biofilm for development of novel preventative and therapeutic vaccine candidates to prevent otitis media.” The University of Alabama at Birmingham, Birmingham, AL, November 17, 2011.
- “Overview of the Center for Microbial Pathogenesis and updates on our efforts of develop a vaccine to prevent ear infections.” Nationwide Children’s Hospital TWIG 3 Luncheon, Columbus, OH, May 2, 2012.
- “Taking aim at biofilms to develop vaccines to prevent or treat chronic middle ear infections (otitis media).”

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National Institute on Deafness and Other Communication Disorders/National Institutes of Health Advisory Council Meeting, Bethesda, MD, September 7, 2012.

“Biofilms can be dispersed by focusing the immune system on a common family of bacterial nucleoid associated proteins.” 6th ASM Conference on Biofilms, Miami, FL, September 29-October 4, 2012.

“Upper respiratory tract virus-mediated dysregulation of innate immunity contributes to the pathogenesis of otitis media.” 7th Extraordinary International Symposium on Recent Advances in Otitis Media, Stockholm, Sweden, June 12-16, 2013.

“Targeting the biofilm to identify novel vaccine candidates & developing ways to immunize non-invasively against otitis media.” 7th Extraordinary International Symposium on Recent Advances in Otitis Media, Stockholm, Sweden, June 12-16, 2013.

“Transcutaneous immunization against nontypeable *Haemophilus influenzae*-induced experimental otitis media by band-aid.” Center for Microbial Interface Biology, The Ohio State University, Columbus, OH, September 16, 2013.

“Targeting the biofilm for development of novel preventative and therapeutic vaccine candidates to prevent otitis media.” Griffith Health Institute Seminar, Griffith University, Gold Coast, Australia. September 27, 2013.

“Transcutaneous immunization by band aid can resolve active experimental otitis media due to nontypeable *Haemophilus influenzae*.” Australian Bacterial Pathogenesis Conference, Moreton Island, Queensland, Australia, September 29-October 2, 2013.

“Immunizing against active experimental otitis media via ‘band-aid’.” Australian Otitis Media Conference, Melbourne, Australia, August 6-8, 2014.

“New strategies to target bacterial biofilms.” 28th Annual North American Cystic Fibrosis Conference (NACFC), Atlanta, GA, October 9-11, 2014.

“An update on our understanding of multifactorial & polymicrobial otitis media.” 1st ASM Conference on Polymicrobial Infections, Washington, DC, November 13-16, 2014.

“Extracellular DNA-associated DNABII proteins as a target for disruption of biofilms formed by nontypeable *H. influenzae*.” University of Iowa, Department of Microbiology, Iowa City, IA, May 5, 2015.

“Current status of vaccines for otitis media due to nontypeable *Haemophilus influenzae* (NTHI).” 18th International Symposium on Recent Advances in Otitis Media, National Harbor, MD, June 7-12, 2015.

“Figuring out how to bust up a biofilm.” Foundation Dinner Presentation to Professional Advisors, Nationwide Children’s Hospital, Columbus, OH, October 22, 2015

“Targeting extracellular DNA and DNABII proteins for biofilm disruption and resolution of experimental otitis media due to nontypeable *Haemophilus influenzae*.” Institute for Molecular Medicine and Infectious Disease (IMMID) Research Seminar Series, Drexel University College of Medicine, Philadelphia, PA, March 30, 2016.

“Targeting extracellular DNABII proteins for biofilm disruption and resolution of otitis media due to nontypeable *Haemophilus influenzae*.” University of Michigan Medical School, Microbiology and Immunology Seminar Series, Ann Arbor, MI, November 3, 2016.

RESEARCH SUPPORT

CURRENT

1. R01DC003915 P.I.: Lauren O. Bakaletz, Ph.D. 9/30/99 – 7/31/20
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“Determinants of *H. influenzae* Virulence in Otitis Media”
Direct Costs: \$6,637,955
Role: **Principal Investigator** (30% effort)
2. R01DC011818 P.I.: Lauren O. Bakaletz, Ph.D. & Steven D. Goodman, Ph.D. 7/20/11 – 8/31/21
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“Novel Immunotherapeutics for the Management of Otitis Media Due To *H. influenzae*”
Direct Costs: \$4,427,526

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Role: **Co-Principal Investigator** (25% effort)

3. R01GM103612 P.I.: Jayajit Das, Ph.D. 1/1/14 – 12/31/17
National Institutes of Health/National Institute of General Medical Sciences
“Quantitative Determination of Ecological Niches for Polymicrobial Colonization in OM”
Direct Costs: \$1,466,286
Role: **Co- Investigator** (2% effort)
4. APP1099279 P.I.: Kate Seib, Ph.D., John Attack, Ph.D., & Lauren O. Bakaletz, Ph.D. 1/1/16 – 12/31/18
Australian Government National Health and Medical Research Council
“Novel epigenetic regulatory mechanisms in *Moraxella catarrhalis* and non-typeable *Haemophilus influenzae*: impact on vaccine development and role in pathobiology”
Direct Costs: \$79,500 AUD (Bakaletz sub project)
Role: **Co-Principal Investigator** (2% effort WOC)
5. R01DC015688 P.I.: Lauren O. Bakaletz, Ph.D. & Michael P. Jennings, Ph.D. 8/1/16 – 7/31/21
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“Otitis media: role of epigenetic regulation on NTHI pathogenesis and optimal vaccine design”
Direct Costs: \$1,841,304
Role: **Co-Principal Investigator** (30% effort)

SUBMITTED BUT NOT FUNDED

1. P.I.: Lauren O. Bakaletz, Ph.D. & Michael P. Jennings, Ph.D. 9/1/15 – 8/31/20
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“Otitis media: role of epigenetic regulation on NTHI pathogenesis and optimal vaccine design”
Direct Costs: \$2,437,032
Role: **Co-Principal Investigator** (25% effort)
2. P.I.: Lauren O. Bakaletz, Ph.D. & Michael P. Jennings, Ph.D. 4/1/15 – 3/31/20
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“Otitis media: role of epigenetic regulation on NTHI pathogenesis and optimal vaccine design”
Direct Costs: \$2,443,846
Role: **Co-Principal Investigator** (25% effort)
3. P.I.: Lauren O. Bakaletz, Ph.D. 12/1/14 – 11/30/19
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“Research Conferences on Otitis Media”
Direct Costs: \$44,477
Role: **Principal Investigator** (5% effort WOC)
4. P.I.: Lauren O. Bakaletz, Ph.D. & Steven D. Goodman, Ph.D. 4/1/14 – 3/31/19
National Institutes of Health/National Institute of Allergy and Infectious Diseases
“Targeting the DNABII family of Proteins for Bacterial Biofilm Resolution”
Direct Costs: \$1,175,000
Role: **Co-Principal Investigator** (3% effort)
5. P.I.: Amal Amer, M.D., Ph.D., Lauren O. Bakaletz, Ph.D., & Steven D. Goodman, Ph.D. 4/1/14 – 3/31/19
National Institutes of Health/National Institute of Allergy and Infectious Diseases
“Immunotherapeutic approach for *Burkholderia* infected cystic fibrosis patients”
Direct Costs: \$1,661,304
Role: **Co-Principal Investigator** (10% effort)

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6. P.I.: Amal Amer, M.D., Ph.D., Lauren O. Bakaletz, Ph.D., & Steven D. Goodman, Ph.D. 4/1/13 – 3/31/18
National Institutes of Health/National Institute of Allergy and Infectious Diseases
“Immunotherapeutic approach for *Burkholderia* infected cystic fibrosis patients”
Direct Costs: \$1,597,210
Role: **Co-Principal Investigator** (3% effort)
7. P.I.: Lauren O. Bakaletz, Ph.D. & Glen McGillivray, Ph.D. 12/1/12 – 11/30/17
National Institutes of Health/National Institute of Allergy and Infectious Diseases
“Antimicrobial Peptides as Novel Therapeutics for Respiratory Syncytial Virus”
Direct Costs: \$1,876,044
Role: **Co-Principal Investigator** (15% effort)
8. P.I.: Michael A. Apicella, M.D. 12/1/06 – 11/30/11
National Institutes of Health/National Institute of Allergy and Infectious Diseases
“Mucins, Sialic Acid and *H. influenzae* Virulence”
Direct Costs: \$139,004 Score: 180
Role: **Co-Investigator** (2% effort)
9. P.I.: Lauren O. Bakaletz, Ph.D. 4/1/01 – 3/31/02
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“BIAcore 3000”
Direct Costs: \$260,000
Role: **Principal Investigator**

PAST

1. P.I.: Dan Wozniak, Ph.D., John Gunn, Ph.D. & Lauren O. Bakaletz, Ph.D. (5% WOC) 11/1/13 – 10/31/15
The Ohio State University, Public Health Preparedness for Infectious Diseases
“Biofilms in Human Medicine”
Direct Costs: \$80,000
Role: **Co-Principal Investigator** (5% effort WOC)
2. APP1034401 P.I.: Lauren O. Bakaletz, Ph.D. & Michael Jennings, Ph.D. 1/1/12 – 12/31/14
Australian Government National Health and Medical Research Council
“Impact of phasevarions of nontypeable *Haemophilus influenzae* on otitis media pathobiology and vaccine development”
Direct Costs: \$292,350 AUD
Role: **Co-Principal Investigator** (10% effort WOC)
3. PI: Dan Wozniak, Ph.D., John Gunn, Ph.D., & Lauren O. Bakaletz, Ph.D. 12/1/13 – 11/30/14
The Ohio State University, College of Medicine Dean’s Discovery Program
“New Approaches to Understand and Treat Chronic Biofilm Infections”
Direct Costs: \$45,000
Role: **Co-Principal Investigator** (5% effort WOC)
4. R01 DC005847 P.I.: Lauren O. Bakaletz, Ph.D. 9/20/02 – 8/31/13, NCE to 8/31/14
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“Antimicrobial Peptides & Innate Immunity in Otitis Media”
Direct Costs: \$3,324,547
Role: **Principal Investigator** (30% effort)
5. P.I.: Lauren O. Bakaletz, Ph.D. 8/17/12 – 8/16/13
The Ohio State University, Center for Clinical & Translational Science
“Development of a transcutaneous immunization patch and assessment of the efficacy afforded against

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experimental otitis media due to nontypeable *Haemophilus influenzae*"

Direct Costs: \$50,000

Role: **Principal Investigator** (2% effort WOC)

6. R01 DC005837 P.I.: Anthony A. Campagnari, Ph.D. 12/1/07 – 11/30/12
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Genetics and Biology of *M. catarrhalis* LOS in Otitis Media"
Direct Costs: \$28,516
Role: **Co-Investigator** (2% effort)
7. P.I.: Lauren O. Bakaletz, Ph.D. 6/1/11 – 5/31/12
GlaxoSmithKline Biologicals
"Assessment of final vaccine formulations for relative ability to prevent experimental NTHI-induced otitis media, cont'd evaluation of bio function(s) of antiserum directed against rsPilA & PD and assessment of ability of clinical NTHI isolates to form biofilms *in vitro*"
Direct Costs: \$140,279
Role: **Principal Investigator** (5% effort)
8. R13 DC011455 P.I.: Lauren O. Bakaletz, Ph.D. 12/13/10 - 11/30/11
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"10th International Post-Symposium Research Conference on Recent Advances in Otitis Media"
Direct Costs: \$40,000
Role: **Principal Investigator** (5% effort WOC)
9. R01 DC007464 P.I.: Robert S. Munson Jr., Ph.D. 12/1/05 – 11/30/10, NCE to 11/30/11
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"NTHI Type IV Pili: Expression and Vaccine Potential"
Direct Costs: \$1,559,086
Role: **Co-Investigator** (13% effort)
10. R01 DC006468 P.I.: Lauren O. Bakaletz, Ph.D. & Joan Durbin, M.D., Ph.D. 1/1/04 – 11/30/10, NCE to 11/30/11
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"RSV Upper Airway Infection & Otitis Media"
Direct Costs: \$1,755,112
Role: **Co-Principal Investigator** (11% effort)
11. R01 DC005847-06S1 P.I.: Lauren O. Bakaletz, Ph.D. 4/1/09 – 8/31/11
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Antimicrobial Peptides & Innate Immunity in Otitis Media Supplement" (Das)
Total Costs: \$308,000
Role: **Principal Investigator** (WOC)
12. R01 DC003915-10S1 P.I.: Lauren O. Bakaletz, Ph.D. 7/17/09 – 8/31/10, NCE to 2/28/11
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Determinants of *H. influenzae* Virulence in Otitis Media Supplement"
Total Costs: \$232,184
Role: **Principal Investigator** (5% effort WOC)
13. P.I.: Lauren O. Bakaletz, Ph.D. 6/1/10 – 12/31/10
GlaxoSmithKline Biologicals
"Assessment of a Novel Candidate Antigen Combination for the Prevention of Experimental NTHI-induced Otitis Media"

LAUREN O. BAKALETZ, PH.D.

Direct Costs: \$195,997

Role: **Principal Investigator** (10% effort)

14. N01 AI30040 P.I.: Michael A. Apicella, M.D. 7/1/03 – 7/31/10
National Institutes of Health/National Institute of Allergy and Infectious Diseases/DMID
“Studies on the Biology and Immunogenicity of NTHi”
Direct Costs: \$1,688,829
Role: **Co-Investigator** (1% effort)
15. P.I.: Lauren O. Bakaletz, Ph.D. 6/1/07 – 5/31/10
GlaxoSmithKline Biologicals, S.A.
“Assessment of Several Targeted and Novel Candidate Antigens for the Prevention of NTHI-induced Otitis Media”
Direct Costs: \$503,634
Role: **Principal Investigator** (5% effort)
16. R01 DC007153 P.I.: Anthony A. Campagnari, Ph.D. 4/1/06 – 3/31/10
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
“*M. catarrhalis* pili: Role in colonization and infection”
Direct Costs: \$72,950
Role: **Co-Investigator** (1% effort)
17. P.I.: Lauren O. Bakaletz, Ph.D. 6/1/06 – 5/31/07
GlaxoSmithKline Biologicals, S.A.
“Assessment of the Relative Ability of Pediatric Immune Serum Pools Directed against either the POET or Streptorix formulations of GSK’s pneumococcal polysaccharide-protein D conjugate vaccine to protect against ascending otitis media in a chinchilla passive transfer-superinfection model”
Direct Costs: \$107,049
Role: **Principal Investigator** (10% effort)
18. R01 AI029611 P.I.: Terrence Stull, M.D. 7/1/05 - 6/30/06
National Institutes of Health/National Institute of Allergy and Infectious Diseases/NICMH
“Molecular Pathogenesis of *H. influenzae* Hemoglobin Binding”
Direct Costs: \$35,712 (subcontract)
Role: **Co-Investigator** (2% effort)
19. R43 AI055221 P.I.: Peter Nara, D.V.M., Ph.D.
National Institutes of Health/National Institute of Allergy and Infectious Diseases (SBIR)
“Immune dampening OMPs of non-typeable *H. influenzae*”
Direct Costs: \$87,469 (subcontract)
Role: **Co-Investigator** (7% effort WOC)
20. P.I.: Lauren O. Bakaletz 2/1/02 – 10/31/03
GlaxoSmithKline Biologicals
“Assessment of Relative Immunogenicity and Efficacy of an NTHI Immunogen and Two Test Adjuvants”
Direct Costs: \$208,225
Role: **Principal Investigator** (25% effort)
21. R01 AI029611 P.I.: Terrence Stull, M.D. Dates: 7/1/00 – 5/31/03
National Institutes of Health/National Institute of Allergy and Infectious Diseases
“Molecular Analysis of *H. influenzae* Hemoglobin Binding”
Direct Costs: \$27,676 (subcontract)
Role: **Co-Investigator** (5% effort)

LAUREN O. BAKALETZ, PH.D.

22. P.I.: Lauren O. Bakaletz, Ph.D. 3/1/00 – 2/28/02
SmithKline Beecham Biologicals
"Model Development for *Moraxella catarrhalis* and Continued Evaluation of NTHi Immunogens"
Direct Costs: \$245,886
Role: **Principal Investigator** (35% effort)
23. R01 DC003915-02S1 P.I.: Lauren O. Bakaletz 12/1/00-8/31/01
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Determinants of *H. influenzae* Virulence in Otitis Media" *NTHi Sequencing Supplement*
Direct Costs: \$85,702
Role: **Principal Investigator** (5% effort)
24. R01 DC003915-02S2 P.I.: Lauren O. Bakaletz 9/1/00-8/31/01
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Determinants of *H. influenzae* Virulence in Otitis Media" *DNA Microarray Supplement*
Direct Costs: \$32,787
Role: **Principal Investigator** (5% effort)
25. R01 DC002830 P.I.: Lauren O. Bakaletz 2/1/96 - 1/31/01
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Development of a Fimbrin Vaccine against Otitis Media"
Direct Costs: \$491,766
Role: **Principal Investigator** (35% effort)
26. R55 DC003915 P.I.: Lauren O. Bakaletz 9/1/99-8/31/00
National Institutes of Health/James A. Shannon Award
"Determinants of *H. influenzae* Virulence in Otitis Media"
Direct Costs: \$80,000
Role: **Principal Investigator** (25% effort)
27. P.I.: Lauren O. Bakaletz, Ph.D. & Pravin Kaumaya, Ph.D. 11/1/99-12/31/99
SmithKline Beecham Biologicals
"Synthesis of PK1TT3, PK2TT3, MVF-PK1 and MVF-PK2"
Direct Costs: \$32,699
Role: **Co-Principal Investigator**
28. R13 DC004169 P.I.: David J. Lim & Lauren O. Bakaletz, Ph.D. 7/1/99-6/30/00
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Recent Advances in Otitis Media-Research Conference Grant"
Direct Costs: \$30,000
Role: **Co-Principal Investigator**
29. P.I.: Lauren O. Bakaletz, Ph.D. 7/1/98 – 12/31/99
SmithKline Beecham Biologicals
"Assessment of cross-protective efficacy of LB1 and LPD-LB1(f)_{2,1,3} as parenteral immunogens against development of OM induced by NTHi strains representing LB1(f) groups 1, 2, and 3"
Direct Costs: \$167,172
Role: **Principal Investigator** (20% effort)
30. P.I.: Lauren O. Bakaletz, Ph.D. 11/1/98 – 10/31/99
SmithKline Beecham Biologicals/CORTECS
"Assessment of Relative Efficacy of NTHi OMP26 , LB1 or LPD-LB1(f)_{2,1,3} as Immunogens Against NTHi-

LAUREN O. BAKALETZ, PH.D.

Induced OM in Chinchilla Models of Active and Passive Immunization & Assessment of Four *M. catarrhalis* Antigens as Immunogens Against Nasopharyngeal Colonization"

Direct Costs: \$171,375

Role: **Principal Investigator** (15% effort)

31. P.I.: Lauren O. Bakaletz, Ph.D. 12/1/98 – 11/30/99
SmithKline Beecham Pharmaceuticals
"Antibiotic Efficacy versus Nontypeable *Haemophilus influenzae* in the Chinchilla Nasopharyngeal Colonization Model"
Direct Costs: \$74,182
Role: **Principal Investigator** (10% effort)
32. P.I.: Lauren O. Bakaletz, Ph.D. 6/1/96 - 12/31/98
SmithKline Beecham Biologicals
"Assessment of Efficacy of Fusion Peptides as Systemic and/or Mucosal Immunogens against Nasopharyngeal Colonization by NTHi in a Chinchilla Model"
Direct Costs: \$229,049
Role: **Principal Investigator**
33. P.I.: Pravin Kaumaya, Ph.D. & Lauren O. Bakaletz, Ph.D. 10/1/96 - 12/31/98
SmithKline Beecham Biologicals
"Synthetic Peptides for Otitis Media"
Direct Costs: \$21,089
Role: **Co-Principal Investigator**
34. P.I.: Lauren O. Bakaletz, Ph.D. 10/1/97 - 12/31/97
SmithKline Beecham Pharmaceuticals
"Efficacy of Two Pleuromutilin Antibiotics against Nasopharyngeal Colonization by nontypeable *H. influenzae* (NTHi) in a Chinchilla Model"
Direct Costs: \$18,314
Role: **Principal Investigator**
35. R01 DC000090 P.I.: Thomas F. DeMaria, Ph.D. & Lauren O. Bakaletz, Ph.D. 12/1/93 - 11/30/97
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Role of NTHi Fimbriae and Endotoxin in Otitis Media"
Direct Costs: \$384,350
Role: **Co-Principal Investigator** (20% effort)
36. P.I.: Lauren O. Bakaletz, Ph.D. 12/1/94 - 5/31/96
SmithKline Beecham Biologicals
"The Protective Efficacy of Nontypeable *Haemophilus influenzae* (NTHi) Fimbrin and Lipoprotein D used as Immunogens Against Experimental Otitis Media in a Chinchilla Model"
Direct Costs: \$112,473
Role: **Principal Investigator**
37. R13 DC002637 P.I.: Margaretha L. Casselbrant, M.D., Ph.D. 6/8/95 - 7/9/95
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Recent Advances in Otitis Media: Research Conference"
Direct Costs: \$30,000
Role: **Co-Investigator**
38. P.I.: Lauren O. Bakaletz, Ph.D. 3/1/94 - 12/31/94
Ross Laboratories

LAUREN O. BAKALETZ, PH.D.

"The Effect of Human Milk on Otitis Media in the Chinchilla"

Direct Costs: \$20,307

Role: **Principal Investigator**

39. R01 DC000090 P.I.: Thomas F. DeMaria, Ph.D. 12/1/91 - 11/30/93
National Institutes of Health/National Institute on Deafness and Other Communication Disorders
"Otitis Media with Effusion: Human and Animal Studies"
Direct Costs: \$479,841
Role: **Co-Investigator**
40. P.I.: Lauren O. Bakaletz, Ph.D. 1/1/91 - 12/31/92
Deafness Research Foundation
"Regulation of Cellular Differentiation of Chinchilla Middle Ear Epithelium by Vitamin A"
Direct Costs: \$27,272
Role: **Principal Investigator**
41. P.I.: Lauren O. Bakaletz, Ph.D. 4/1/90 - 3/31/91
The Ohio State University Office of Research and Graduate Studies, Seed Grant
"Isolation and Cloning of the Gene Encoding for Fimbrial Expression by Nontypable *Haemophilus influenzae*"
Direct Costs: \$11,600
Role: **Principal Investigator**
42. P.I.: Lauren O. Bakaletz, Ph.D. 1/1/87 - 12/31/89
Deafness Research Foundation
"Role of Fimbriae in the Adherence of Nontypable *Haemophilus influenzae* to Nasopharyngeal and Middle Ear Mucosa"
Direct Costs: \$38,636
Role: **Principal Investigator**
43. P.I.: David J. Lim, MD 11/1/86 - 5/31/89
Ross Laboratories
"Influence of Antibody X on the Colonization of the Chinchilla Nasopharynx with *Streptococcus pneumoniae*"
Direct Costs: \$38,681
Role: **Co-Investigator**