

CURRICULUM VITAE

5/18/04

Name: Jeffery A. Hobden, PhD

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Birthdate and Birthplace: January 8, 1963; New Orleans, LA

Citizenship: United States of America

Education:

Baccalaureate:

Bachelor of Science in Biological Sciences from Loyola University, New Orleans, Louisiana in December 1985.

Graduate:

Master of Science in Medical Microbiology from Louisiana State University Medical Center, New Orleans, Louisiana in August 1988.

Doctor of Philosophy in Medical Microbiology from Louisiana State University Medical Center, New Orleans, Louisiana in December 1992.

Post-Graduate:

Research Fellow, Department of Ophthalmology, LSU Eye Center, New Orleans, Louisiana, 1992-1993.

Research Associate, Department of Anatomy and Cell Biology, Wayne State University School of Medicine, Detroit, Michigan, 1994-August 1996.

Awards and Honors:

- 1985 St. Joseph Pignatelli, S.J. Award for Excellence in Biological Sciences, Loyola University, New Orleans, Louisiana.
- 1985 Randall Award, American Society for Microbiology, South Central Branch Meeting, Lake Charles, Louisiana.
- 1987 Strawinski Award, American Society for Microbiology, South Central Branch Meeting, Hammond, Louisiana.
- 1988 Sigma Xi Research Day Award, Sigma Xi Scientific Research Society, Louisiana State University Medical Center, New Orleans, Louisiana.

Academic, Professional, and Research Appointments:

Research Assistant Professor, Department of Anatomy and Cell Biology, Wayne State University School of Medicine, Detroit, Michigan September 1996 - January 1997.

Research Assistant Professor, Department of Anatomy and Cell Biology and Immunology and Microbiology, Wayne State University School of Medicine, Detroit, Michigan, February 1997-July 1997.

Assistant Professor, Department of Immunology and Microbiology, Wayne State University School of Medicine, Detroit, Michigan, July 1997 – January 2004.

Assistant Professor, Department of Microbiology, Immunology, & Parasitology, Louisiana State University Health Sciences Center, New Orleans, Louisiana, February 2004 – present.

Membership in Professional Organizations:

American Society for Microbiology, 1987-present.

Association for Research in Vision and Ophthalmology, 1990 – present.

Teaching Experience/Responsibilities:

- 1982-1985 Student Teaching Assistant, Undergraduate Botany, Microbiology, Physiology, and Zoology, Loyola University, New Orleans, Louisiana.
- 1988 Lecturer and Laboratory Course Director, Undergraduate Microbiology, Loyola University, New Orleans, Louisiana.
- 1989,
- 1991-1993 Lecturer, Undergraduate Microbiology, Immunology, and Parasitology, School of Nursing, Louisiana State University Medical Center, New Orleans, Louisiana.
- 1987-1993 Laboratory Instructor, Medical Microbiology, Louisiana State University Medical Center, New Orleans, Louisiana.
- 1995,
- 1997, 1998 Lecturer, Graduate Microbiology, Wayne State University School of Medicine, Detroit, Michigan.
- 1997- 2003 Lecturer and Lab Director, Medical Microbiology, Wayne State University School of Medicine, Detroit, Michigan.

- 1998 Lecturer, Molecular Biology Core Course, Wayne State University School of Medicine, Detroit, Michigan.
- 1999-2003 Lecturer, Molecular Mechanisms of Bacterial Pathogenesis, Wayne State University School of Medicine, Detroit, Michigan.
- 1998-2003 Lecturer, Department of Ophthalmology's Basic and Clinical Science Series, Kresge Eye Institute, Detroit, Michigan.

Graduate Students Trained:

Past:

- 1998-1999 Dawn J. Geisler, MS, Basic Medical Sciences, Wayne State University School of Medicine, *Pseudomonas* Proteases and Ocular Virulence.
- 1998-2001 Cristopher Pillar, PhD, Department of Immunology/Microbiology, Wayne State University School of Medicine, Role of *P. aeruginosa* Exoproducts and Ocular Virulence.
- 1998-2002 Catherine D. White, PhD, Department of Immunology/Microbiology, Wayne State University School of Medicine, Role of *P. aeruginosa* Quorum Sensing Systems in Ocular Virulence.
- 2003 Robert Moldenhauer, MS, Basic Medical Sciences, Wayne State University School of Medicine, Monkeypox and the Threat of Emerging Infections.

Current:

- 2002-present Quinn M. Parks, doctoral candidate, Department of Immunology/Microbiology, Wayne State University School of Medicine, Genetic Determinants of *P. aeruginosa* Ocular Virulence.

Teaching Awards:

- 2000, 2003 College Teaching Award, Wayne State University, Detroit, Michigan.

Thesis & Dissertation Committees:

- 1997 Phillip Estrellas, Jr., BS, Howard Hughes Medical Institute Summer Undergraduate Research Program, *Pseudomonas aeruginosa* Exoproteases and Ocular Pathogenesis.
- 1998 Jerry Stassinopoulos, MS, Basic Medical Sciences, Wayne State University School of Medicine, How Superantigens Stimulate T Cells.
- 1998-1999 Phillip Estrellas, Jr., BS, Minority Access to Research Careers (MARC) Program, Characterization of an Ocularly Avirulent *Pseudomonas aeruginosa* Strain.
- 1999 Amanda C. Solem, BS, Senior Individualized Project, Kalamazoo College (Kalamazoo, Michigan), ICAM-2 and *P. aeruginosa* Keratitis.
- 2000-2001 Angela Chmielewski, BS, Capstone Project, Miami University (Oxford, Ohio), *P. aeruginosa* Polyphosphate and Ocular Virulence.
- 1999-2003 Lin Liu, PhD, Department of Immunology/Microbiology, Wayne State University School of Medicine, Identification and Characterization of Trans-activating Factor(s) Responsible for cAMP-mediated Mitochondrial Transcription in the Yeast *Saccharomyces cerevisiae*.

- 2000-2003 Sonya Green, PhD, Department of Immunology/Microbiology, Wayne State University School of Medicine, Characterization of PrfA-regulated Virulence Gene Expression in *Listeria monocytogenes*.
- 2001 Melphine M. Ponniah, MS, Basic Medical Sciences, Wayne State University School of Medicine, Public Health Implications of Bacterial Contamination in Recreational Water.
- 2001-2003 Yunus Moosa, PhD, Department of Immunology/Microbiology, Wayne State University School of Medicine, Investigation of Virulence and Resistance Gene Expression in *Candida albicans*: Studies on Primary Isolates from Patients with Acute Vulvovaginal Candidiasis.
- 2002-present George Roberts, doctoral candidate, Department of Immunology/Microbiology, Wayne State University School of Medicine, RSF2 Nuclear Gene Encoding a Product Required for Respiration in the Yeast *Saccharomyces cerevisiae*.

Grants & Contracts:

Funded:

- 1995-1996 Individual National Research Service Award (F32) recipient; *P. aeruginosa* exoproteases and ocular infectivity; National Eye Institute, The National Institutes of Health, EYO6548-01A2; \$30,000, direct costs.
- 1996-2001 First Independent Research Support and Transition Award (R29); *P. aeruginosa* exoproteins and ocular infectivity; National Eye Institute, The National Institutes of Health; \$350,000, direct costs. Role in Project: Principal Investigator
- 2001-2002 Midwest Eye-banks & Transplantation Center (MEBTC) Scientific Research Award, *P. aeruginosa* RhlI/PPK and Ocular Virulence, \$14,000 direct costs. Role on Project: Principal Investigator.
- 2002-2003 Research Grant, *Pseudomonas aeruginosa* PPK and Ocular Virulence, Prevent Blindness America, \$12,000 direct costs. Role on Project: Principal Investigator.
- 2003-2006 Research Grant (Army), Real-time Biosensor Water Monitoring System, TACOM/Army, Dept. of Defense, \$2,500,000 direct costs. Role on Project: Co-Principal Investigator.
- 2003-2005 Research Grant (R21); Filamentous Influenza Virus and Microbial Colonization; National Institute of Allergy and Infectious Disease, The National Institutes of Health; \$300,000 direct costs. Role on Project: Co-Investigator.

Pending Funding: none

Non-funded Applications (last 3 years):

- 2004-2008 Research Grant (R01); Anti-Exotoxin A Treatment of *P. aeruginosa* Keratitis; National Eye Institute, The National Institutes of Health; \$825,000 direct costs. Role on Project: Principal Investigator.

2004-2005 Research Grant (R03); Genetic Determinants of *P. aeruginosa* Ocular Virulence, National Eye Institute, The National Institutes of Health; \$200,000 direct costs. Role on Project: Principal Investigator.

Research Review Committee:

1999-2001 Grant reviewer, Prevent Blindness America, Fight for Sight research awards program.

Journal Publications (all in refereed journals):

1. Rootman DS, **Hobden JA**, Jantzen JA, Gonzales JR, O' Callaghan RJ, Hill JM: Iontophoresis of tobramycin for the treatment of experimental *Pseudomonas aeruginosa* keratitis in the rabbit. Arch Ophthalmol 106:262-265, 1988.
2. **Hobden JA**, Rootman DS, O' Callaghan RJ, Hill JM: Iontophoretic application of tobramycin to uninfected and *Pseudomonas aeruginosa*-infected rabbit corneas. Antimicrob Agents Chemother 32:978-981, 1988.
3. **Hobden JA**, Reidy JJ, O' Callaghan RJ, Hill JM, Insler MS, Rootman DS: Treatment of experimental *Pseudomonas* keratitis using collagen shields containing tobramycin. Arch Ophthalmol 106:1605-1607, 1988.
4. **Hobden JA**, O' Callaghan RJ, Hill JM, Reidy JJ, Rootman DS, Thompson HW: Tobramycin iontophoresis into corneas infected with drug-resistant *Pseudomonas* keratitis. Curr Eye Res 11:1163-1169, 1988.
5. **Hobden JA**, Reidy JJ, O' Callaghan RJ, Insler MS, Hill JM: Ciprofloxacin iontophoresis for aminoglycoside-resistant pseudomonal keratitis. Invest Ophthalmol Vis Sci 31:1940-1944, 1990.
6. **Hobden JA**, Reidy JJ, O'Callaghan RJ, Insler MS, Hill JM: Quinolones in collagen shields to treat aminoglycoside-resistant pseudomonal keratitis. Invest Ophthalmol Vis Sci 31:2241-2243, 1990.
7. Johnson MK, **Hobden JA**, Hagenah M, O'Callaghan RJ, Hill JM, Chen S: The role of pneumolysin in ocular infections with *Streptococcus pneumoniae*. Curr Eye Res 9:1107-1114, 1990.
8. Reidy JJ, **Hobden JA**, Hill JM, Forman K, O' Callaghan RJ: The efficacy of topical ciprofloxacin and norfloxacin in the treatment of experimental *Pseudomonas* keratitis. Cornea 10:25-28, 1991.
9. Insler MS, Fish LA, Silbernagel J, **Hobden JA**, Hill JM, O' Callaghan RJ, Insler MS, Kaufman HE: Treatment of methicillin-resistant *Staphylococcus aureus* keratitis with topical ciprofloxacin. Ophthalmology 98:1690-1692, 1991.
10. Brockman EB, Tarantino PA, **Hobden JA**, Hill JM, O' Callaghan RJ, Insler MS, Kaufman HE: Keratotomy model of *Pseudomonas* keratitis: gentamicin chemotherapy. Refract Corneal Surg 8:465-468, 1992.
11. Callegan MC, Hill JM, Insler MS, **Hobden JA**, O'Callaghan RJ: Methicillin-resistant *Staphylococcus aureus* keratitis in the rabbit: therapy with ciprofloxacin, vancomycin, and cefazolin. Curr Eye Res 11:1111-1119, 1992.
12. Clinch TE, **Hobden JA**, Hill JM, Insler MS, O' Callaghan RJ, Engel LS, Kaufman HE: Experimental *Pseudomonas* keratitis: therapy with tobramycin-hydrated collagen shields. CLAO J 18:245-247, 1992.

13. Callegan MC, **Hobden JA**, Hill JM, Insler MS, O'Callaghan RJ: Topical antibiotic therapy for the treatment of experimental *Staphylococcus aureus* keratitis. Invest Ophthalmol Vis Sci 33:3017-3023, 1992.
14. **Hobden JA**, O' Callaghan RJ, Hill JM, Hagenah M, Insler MS, Reidy JJ: Ciprofloxacin and prednisolone therapy for experimental *Pseudomonas* keratitis. Curr Eye Res 11:259-266, 1992.
15. Johnson MK, Hobden JA, O' Callaghan RJ, Hill JM: Confirmation of the role of pneumolysin in ocular infections with *Streptococcus pneumoniae*. Curr Eye Res 11:1221-1225, 1992.
16. **Hobden JA**, O' Callaghan RJ, Insler MS, Hill JM: Ciprofloxacin ointment versus topical drops for the therapy of experimental *Pseudomonas* keratitis. Cornea 12:138-141, 1993.
17. **Hobden JA**, Engel LS, Hill JM, O' Callaghan RJ: Prednisolone acetate or prednisolone phosphate concurrently administered with ciprofloxacin for the therapy of experimental *Pseudomonas aeruginosa* keratitis. Curr Eye Res 12:469-473, 1993.
18. **Hobden JA**, Engel LS, Hill JM, O' Callaghan RJ: *Pseudomonas aeruginosa* keratitis in leukopenic rabbits. Curr Eye Res 12:461-467, 1993.
19. **Hobden JA**, Hill JM, Insler MS, O' Callaghan RJ: Age and the therapeutic outcome of experimental *Pseudomonas aeruginosa* keratitis treated with ciprofloxacin, prednisolone, and flurbiprofen. Antimicrob Agents Chemother 37:1856-1859, 1993.
20. **Hobden JA**, Masinick SA, Barrett RP, Hazlett LD: Aged mice fail to up-regulate ICAM-1 following *Pseudomonas aeruginosa* corneal infection. Invest Ophthalmol Vis Sci 36:1107-1114, 1995.
21. Engel LS, Callegan MC, **Hobden JA**, Reidy JJ, Hill JM, O' Callaghan RJ: Effectiveness of specific antibiotic/steroid combinations for therapy of experimental *Pseudomonas aeruginosa* keratitis. Curr Eye Res 14:229-234, 1995.
22. Kernacki KA, Fridman R, **Hobden JA**, Hazlett LD, Berk RS: In vivo bacterial protease production during *Pseudomonas aeruginosa* corneal infection. Invest Ophthalmol Vis Sci 36:1371-1378, 1995.
23. Johnson MK, Callegan MC, Engel LS, O' Callaghan RJ, Hill JM, **Hobden JA**, Boulnois GJ, Andrew PW, Mitchell TJ: Growth and virulence of a complement-activation-negative mutant of *Streptococcus pneumoniae* in the rabbit cornea. Curr Eye Res 14:281-284, 1995.
24. Callegan MC, **Hobden JA**, O' Callaghan RJ, Hill JM: Ocular drug delivery: a comparison of transcorneal iontophoresis to corneal collagen shields. Int J Pharmaceutics 123:173-179, 1995.
25. O' Callaghan RJ, Engel LS, **Hobden JA**, Callegan MC, Green LC, Hill JM: *Pseudomonas* keratitis: the role of an uncharacterized exoprotein, protease IV, in corneal virulence. Invest Ophthalmol Vis Sci 37: 534-543, 1996.
26. Gupta SK, Masinick SA, **Hobden JA**, Berk RS, Hazlett LD: Bacterial proteases and adherence of *Pseudomonas aeruginosa* to mouse cornea. Exp Eye Res 62:641-650, 1996.
27. **Hobden JA**, Gupta SK, Masinick SA, Wu X, Kernacki KA, Berk RS, Hazlett LD: Anti-receptor antibodies inhibit *P. aeruginosa* binding to the cornea and prevent corneal perforation. Immunol Cell Biol 74:258-264, 1996.

28. Engel LS, **Hobden JA**, Moreau JM, Callegan MC, Hill JM, O' Callaghan RJ: *Pseudomonas* deficient in protease IV has significantly reduced corneal virulence. Invest Ophthalmol Vis Sci 38:1535-1542, 1997.
29. **Hobden JA**, Masinick SA, Barrett RP, Hazlett LD: Proinflammatory cytokine deficiency and the pathogenesis of *Pseudomonas aeruginosa* keratitis in aged mice. Infect Immun 65: 2754-2758, 1997.
30. Engel LS, Hill JM, Moreau JM, Green LC, **Hobden JA**, O'Callaghan RJ: *Pseudomonas aeruginosa* protease IV produces corneal damage and contributes to bacterial virulence. Invest Ophthalmol Vis Sci 39:662-665, 1998.
31. Chen L, **Hobden JA**, Masinick SA, Hazlett, LD. Environmental factors influence *P. aeruginosa* binding to wounded mouse cornea. Curr Eye Res 17:231-237, 1998.
32. Cowell BA, Willcox MDP, **Hobden JA**, Schneider RP, Tout S, Hazlett LD. An ocular strain of *Pseudomonas aeruginosa* is inflammatory but not virulent in the scarified mouse model. Exp Eye Res 67:347-356, 1998.
33. **Hobden JA**, Masinick-McClellan SA, Barrett RP, Bark KS, Hazlett LD: *Pseudomonas aeruginosa* keratitis in knockout mice deficient in intercellular adhesion molecule-1 (ICAM-1) expression. Infect Immun 67:972-975, 1999.
34. Kernacki KA, Barrett RP, **Hobden JA**, and Hazlett LD. MIP-2 is a major mediator of PMN influx in ocular bacterial infection, J Immunol 164:1037-1045, 2000.
35. Estrellas PS, Jr., Alionte LG, and **Hobden JA**. A *Pseudomonas aeruginosa* strain isolated from a contact lens-induced acute red eye (CLARE) is protease-deficient. Curr Eye Res 20: 157-165, 2000.
36. Pillar CM, Hazlett LD, and **Hobden JA**. Alkaline protease-deficient mutants of *Pseudomonas aeruginosa* are virulent in the eye. Curr Eye Res 21:730-739, 2000.
37. Alionte LG, Cannon B, White CD, Caballero AC, O' Callaghan RJ, and **Hobden JA**. *Pseudomonas aeruginosa* LasA protease and corneal infections. Curr Eye Res 22: 266-271, 2001.
38. White CD, Alionte LG, Cannon B, Caballero AC, O' Callaghan RJ, and **Hobden JA**. *Pseudomonas aeruginosa* PAO1 LasA protease and ocular virulence. Cornea 20:643-646, 2001.
39. Pillar CM, and **Hobden JA**. *Pseudomonas aeruginosa* exotoxin A and keratitis in mice. Invest Ophthalmol Vis Sci 43: 1437-1444, 2002.
40. **Hobden JA**. *Pseudomonas aeruginosa* proteases and corneal virulence. DNA and Cell Biol 21: 391-396, 2002
41. Cowell BA, Twining SS, **Hobden JA**, Kwong MSF, and Fleiszig SMJ. Mutation of LasA and LasB inhibits *Pseudomonas aeruginosa* invasion of epithelial cells. Microbiology 149: 2291-2299, 2003.
42. **Hobden JA**. Intercellular Adhesion Molecule-2 (ICAM-2) and *Pseudomonas aeruginosa* Ocular Infection. DNA and Cell Biol 22: 649-655, 2003.
43. Parks QM, and **Hobden JA**. Polyphosphate kinase 1 and the ocular virulence of *Pseudomonas aeruginosa*. Invest Ophthalmol Vis Sci, in press, 2004.

Books & Chapters:

1. Hill JM, **Hobden JA**, Liu WG, Wen R, Zhang X, Callegan MC: Ocular Antivirals. In International Ophthalmology Clinics, vol 33, no 4, Smolin G, Friedlaender MH (eds), Little Brown and Co., Boston, pg. 69-80, 1993.

2. Hill JM, O' Callaghan RJ, **Hobden JA**, Kaufman HE: Corneal Collagen Shields for Ocular Delivery. In Ophthalmic Drug Delivery Systems, Mitra AK (ed), Marcel Dekker Inc., New York, pg. 261-273, 1993.
3. Hill JM, O' Callaghan RJ, **Hobden JA**: Ocular Iontophoresis. In Ophthalmic Drug Delivery Systems, Mitra AK (ed), Marcel Dekker Inc., New York, pg. 331-354, 1993.
4. Kernacki KA, **Hobden JA**, Hazlett LD. Murine Model of Keratitis. In Handbook of Animal Models of Infection, Sak O, Sande M (eds), Academic Press, Ltd., London, pg. 361-366, 1999.

Papers Presented & Abstracts:

1. Tarantino PA, Brockman EB, **Hobden JA**, Hill JM, O' Callaghan RJ, Kaufman HE: Keratotomy model of *Pseudomonas* keratitis: gentamicin chemotherapy. Invest Ophthalmol Vis Sci (Suppl) 32:1168, 1991 (ARVO Abstract).
2. **Hobden JA**, O' Callaghan RJ, Hill JM, Hagenah M, Insler MS, Reidy JJ: Ciprofloxacin and prednisolone therapy for experimental *Pseudomonas* keratitis. Invest Ophthalmol Vis Sci (Suppl) 32:1184, 1991 (ARVO Abstract).
3. O' Callaghan RJ, **Hobden JA**, Hill JM: Attenuated *Pseudomonas* and bacterial keratitis. Invest Ophthalmol Vis Sci (Suppl) 32:1183, 1991 (ARVO Abstract).
4. Pendleton KM, **Hobden JA**, Hill JM, O' Callaghan RJ, Insler MS: Antibacterial activity of ciprofloxacin against organisms isolated from patients with bacterial keratitis. Invest Ophthalmol Vis Sci (Suppl) 32:1171, 1991 (ARVO Abstract).
5. **Hobden JA**, Hill JM, O' Callaghan RJ: *Pseudomonas aeruginosa* keratitis: bacterial and host factors affecting pathogenicity. ASM South Central Branch Meeting, Jackson, Mississippi, 1991.
6. Johnson MK, **Hobden JA**, Hagenah M, O' Callaghan RJ, Hill JM: Confirmation of the role of pneumolysin in ocular infections with *Streptococcus pneumoniae*. Invest Ophthalmol Vis Sci (Suppl) 33:1422, 1992 (ARVO Abstract).
7. Callegan MC, **Hobden JA**, Hill JM, Insler MS, O' Callaghan RJ: Chemotherapy of methicillin-sensitive and methicillin-resistant *Staphylococcus aureus* keratitis in the rabbit. Invest Ophthalmol Vis Sci (Suppl) 33:935, 1992 (ARVO Abstract).
8. Clinch TE, **Hobden JA**, Hill JM, O' Callaghan RJ, Kaufman HE: Sustained treatment of experimental *Pseudomonas* keratitis with collagen shields hydrated in tobramycin. Invest Ophthalmol Vis Sci (Suppl) 33:776, 1992 (ARVO Abstract).
9. Bergsma Jr DR, **Hobden JA**, Hill JM, O' Callaghan RJ: Quantification of the immune response during bacterial keratitis. Invest Ophthalmol Vis Sci (Suppl) 33:1421, 1992 (ARVO Abstract).
10. Hill JM, O' Callaghan RJ, **Hobden JA**, Reidy JJ: Antibacterial and anti-inflammatory agents for therapy of bacterial keratitis. 10th International Congress of Eye Research, Stresa, Italy, 1992.
11. O' Callaghan RJ, **Hobden JA**, Hill JM: Corneal virulence of *Pseudomonas* mutants deficient in specific exoproteins. 10th International Congress of Eye Research, Stresa, Italy, 1992.
12. Engel LS, Callegan MC, **Hobden JA**, Hill JM, O' Callaghan RJ: Differences in effectiveness of specific antibiotic/steroid combinations for the therapy of experimental *Pseudomonas aeruginosa* keratitis. Invest Ophthalmol Vis Sci (Suppl) 35:1339, 1994 (ARVO Abstract).

- 13. Hobden JA, Hazlett LD:** Aged mice fail to up-regulate ICAM-1 following *Pseudomonas aeruginosa* corneal infection. Invest Ophthalmol Vis Sci (Suppl) 36:S1059, 1995 (ARVO Abstract).
- 14. Berk RS, Kernacki KA, Hobden JA, Hazlett LD, Fridman R:** *P. aeruginosa* protease production in ocular tissue during corneal infection. Invest Ophthalmol Vis Sci (Suppl) 36:S1020, 1995 (ARVO Abstract).
- 15. Engel LS, O' Callaghan RJ, Hobden JA, Callegan MC, Hill JM:** The role of protease and exotoxin A in *Pseudomonas aeruginosa* keratitis. Invest Ophthalmol Vis Sci (Suppl) 36:S1020, 1995 (ARVO Abstract).
- 16. Kernacki KA, Hobden JA, Hazlett LD, Fridman R, Berk RS:** In vivo bacterial protease production during *P. aeruginosa* corneal infection. ASM General Meeting, Washington DC, 1995.
- 17. Hobden JA, Gupta Sk, Masinick SA, Wu X, Kernacki KA, Berk RS, Hazlett LD:** Anti-receptor antibodies inhibit *P. aeruginosa* binding to the cornea and prevent corneal perforation. Invest Ophthalmol Vis Sci (Suppl) 37:S209, 1996 (ARVO Abstract).
- 18. Engel LS, Green LC, Hobden JA, Callegan MC, Hill JM, O' Callaghan RJ:** Protease IV activity in vitro correlates with *Pseudomonas* corneal virulence in vivo. Invest Ophthalmol Vis Sci (Suppl) 37:S209, 1996 (ARVO Abstract).
- 19. Gupta SK, Masinick SA, Hobden JA, Berk RS, Hazlett LD:** Role of bacterial protease in adherence of *P. aeruginosa* to mouse cornea. Invest Ophthalmol Vis Sci (Suppl) 37:S870, 1996 (ARVO Abstract).
- 20. Hobden JA, Masinick SA, Barrett RP, Hazlett LD:** *Pseudomonas aeruginosa* keratitis in aged mice: role of cytokines. Invest Ophthalmol Vis Sci (Suppl) 38:S1137, 1997 (ARVO abstract).
- 21. O' Callaghan RJ, Engel LS, Hobden JA, Callegan MC, Moreau JM, Hill JM:** Bacterial products responsible for tissue damage during bacterial keratitis. Invest Ophthalmol Vis Sci (Suppl) 38:S245, 1997 (ARVO abstract).
- 22. Hobden JA, Masinick SA, Barrett RP, Bark KS, Hazlett LD.** *Pseudomonas aeruginosa* keratitis in mice deficient in intercellular adhesion molecule-1 expression. Invest Ophthalmol Vis Sci (Suppl) 39:S661, 1998 (ARVO abstract).
- 23. Alionte LG, Estrellas Jr. PS, Hobden JA.** A *Pseudomonas aeruginosa* strain isolated from a contact lens-induced acute red eye is elastase-deficient. Invest Ophthalmol Vis Sci (Suppl) 39:S145, 1998 (ARVO abstract).
- 24. Hobden JA, Alionte LG, Estrellas Jr. PS.** *Pseudomonas aeruginosa* staphylolytic protease and ocular virulence. Invest Ophthalmol Vis Sci (Suppl) 40:S259, 1999 (ARVO abstract).
- 25. Pillar CM, Hobden JA.** The role of *Pseudomonas aeruginosa* alkaline protease in ocular infections. Invest Ophthalmol Vis Sci (Suppl) 40:S259, 1999 (ARVO abstract).
- 26. Kernacki KA, Hobden JA, Hazlett LD.** MIP-2 expression correlates with PMN influx and tissue injury during *P. aeruginosa* corneal infection. Invest Ophthalmol Vis Sci (Suppl) 40:S793, 1999 (ARVO abstract).
- 27. Pillar CM, Hazlett LD, Hobden JA.** The effect of *Pseudomonas aeruginosa* Alkaline Protease on Bacterial Adherence In Vitro. 1999 (ASM Abstract).
- 28. Somerville G, Hobden J, Reitzer L.** Aconitase and the environmental signals that control virulence factor synthesis in *Pseudomonas aeruginosa*. Molecular Genetics of Bacteria and Phages, University of Wisconsin-Madison, 1999.

29. **Hobden JA**, Alionte LG, Cannon BM, White CD, Caballero AC, O' Callaghan RJ. *Pseudomonas aeruginosa* LasA protease and corneal infections. Invest Ophthalmol Vis Sci (Suppl) 41: S154, 2000 (ARVO abstract).
30. Pillar CM, Solem AC, **Hobden JA**. ICAM-2 and *Pseudomonas aeruginosa* keratitis. ASM General Meeting, Los Angeles, CA, 2000.
31. White CD, **Hobden JA**. The role of *Pseudomonas aeruginosa* staphylolytic protease (LasA) in adherence. ASM General Meeting, Los Angeles, CA, 2000.
32. **Hobden JA**. *Pseudomonas aeruginosa* proteases and corneal virulence. 14th International Congress of Eye Research, Santa Fe, NM, 2000.
33. Pillar CM, **Hobden JA**. *Pseudomonas aeruginosa* exotoxin A as a virulence factor in the eye. ASM General Meeting, Orlando, FL, 2001.
34. **Hobden JA**, Pillar CM. *Pseudomonas aeruginosa* exotoxin A and ocular virulence. Invest Ophthalmol Vis Sci (Suppl) 42:S739, 2001 (ARVO abstract).

Seminars & Invited Presentations:

1. Seminar, Pathogenesis of Bacterial Keratitis, Department of Biological Sciences, Loyola University, New Orleans, Louisiana, January 1993.
2. Seminar, Pathogenesis and Chemotherapy of *Pseudomonas aeruginosa* Keratitis, Department of Anatomy and Cell Biology, Wayne State University School of Medicine, Detroit, Michigan, March 1993.
3. Seminar, *Pseudomonas aeruginosa* Exoproteins and Ocular Virulence, Department of Anatomy and Cell Biology, Wayne State University School of Medicine, Detroit, Michigan, October, 1995.
4. Seminar, *Pseudomonas aeruginosa* Exoproteins and Ocular Virulence, Department of Biology, Eastern Michigan University, Ypsilanti, Michigan, October 2000.
5. Didactic Lecture, Update on *Pseudomonas* species, Division of Infectious Diseases, Wayne State University School of Medicine, Detroit, Michigan, February 2001.
6. Newspaper interview on *Pseudomonas aeruginosa* corneal infections, The South End (Wayne State University campus paper), June 21, 2001.
7. Television Interview on Anthrax, WXYZ-TV (an ABC affiliate), Detroit, Michigan, October, 2001.
8. Community Forum on Bioterrorism, Sponsored by Wayne State University School of Medicine and the WSU Physician Group, Wayne State University Oakland Center, October 25, 2001 (filmed by WXYZ-TV for evening news coverage).
9. Newspaper Interview on Anthrax, Farmington Observer (Farmington, MI), November 1, 2001.
10. Seminar, Bioterrorism, St. Joseph Mercy-Oakland Post Clinic Day Conference, November 14, 2001.
11. Seminar, Bioterrorism, Birmingham Senior Mens Club, January 18, 2002.
12. Newspaper Interview on Bioterrorism, Oakland Press (Oakland County, MI), January 12, 2003.
13. Seminar, *Pseudomonas aeruginosa* Corneal Disease: Both Sides Now, Department of Microbiology, Medical College of Ohio, January 22, 2003.
14. Seminar, Bioterrorism, Violence Awareness Week, Wayne State University School of Medicine, January 29, 2003.

15. Seminar, New Technologies for Examining Host-Pathogen Interactions, Michigan Branch American Society for Microbiology Spring 2003 Meeting, Pfizer, April 5, 2003.
16. Invited presentation, Pseudomonas aeruginosa and Corneal Virulence, 10th Annual Midwest Pathogenesis Meeting, October 2003, Iowa City, Iowa.

Editorial Activities:

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| 1988-1989 | Section Editor of the Murmur (LSU Medical Center's yearbook), Louisiana State University Medical Center, New Orleans, Louisiana. |
| 1996-present | Ad Hoc reviewer for journals Cornea, Current Eye Research , Ophthalmology, Infection and Immunity, Investigative Ophthalmology and Visual Science, Paediatric Drugs, Journal of Clinical Microbiology, Antimicrobial Agents and Chemotherapy |
| 2002-present | Guest editorial board member for Investigative Ophthalmology and Visual Science. |

University/Institutional Service:

Departmental Committees:

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| 1997-1998, | Salary Committee, Department of Immunology and Microbiology, |
| 2000-2001 | Wayne State University School of Medicine, Detroit, Michigan. |
| 1998-2003 | Graduate Committee Chair, Department of Immunology and Microbiology, Wayne State University School of Medicine, Detroit, Michigan. |
| 1998-2004 | Space Committee, Department of Immunology and Microbiology, Wayne State University School of Medicine, Detroit, Michigan. |

School of Medicine Committees:

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| 1988-1990 | Graduate Student Council, School of Graduate Studies, Louisiana State University Medical Center, New Orleans, Louisiana. |
| 1988-1990 | Health Promotion Committee, Louisiana State University Medical Center, New Orleans, Louisiana. |
| 1996 | Postdoctoral Enhancement Committee, Wayne State University School of Medicine, Detroit, Michigan. |
| 2001-2003 | Interdisciplinary Biological Sciences Stipend Committee, Wayne State University School of Medicine, Detroit, Michigan. |
| 2001-2003 | Graduate Affairs Council, Wayne State University School of Medicine, Detroit, MI. |

Professional Societies Committees:

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| 1989 | Student Science Day Committee, American Society for Microbiology Annual Meeting, New Orleans, Louisiana. |
| 2000 | Microbiology Co-Chair, International Science and Engineering Fair (ISEF), Detroit, Michigan. |

Community Service/Activities:

1999-2003 Mentor, Math and Science Program, Cranbrook Institute of Science,
Bloomfield Hills, MI.

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