

CURRICULUM VITAE (2021)

NAME: Daniel V. Lim, Ph.D.
Distinguished University Professor Emeritus
University of South Florida
Tampa, Florida

E-mail: Lim@usf.edu

BIRTHDATE: April 15, 1948
Houston, Texas

EDUCATION: B.A. in Biology, Rice University (1970)
Ph.D. in Microbiology, Texas A&M University (1973)
Postdoctoral Fellow, Department of Microbiology and Immunology, Baylor
College of Medicine (1973-1976)

HONORS AND AWARDS:

Jesse H. Jones Academic Scholarship (1966-1970)
Houston Endowment, Inc. Academic Scholar (1966-1970)
Rice University Tuition Grant (1966-1970)
Robert A. Welch Foundation Predoctoral Fellow (1971-1973)
Robert A. Welch Foundation Postdoctoral Fellow (1973-1976)
Phi Sigma Biological Honor Society, Graduate Research Award for the

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HONORS AND AWARDS (Continued):

Ivan Roth Award for Outstanding Service and Contributions in Microbiology,
Southeastern Branch American Society for Microbiology (2004)
Outstanding Faculty Research Achievement Award, University of South Florida
(2005)
Elizabeth O. King Award for Notable and Significant Contributions in the
Diagnostic, Public Health, or Medical Microbiology Field, Southeastern
Branch American Society for Microbiology (2014)

PROFESSIONAL AND HONORARY SOCIETIES:

Fellow, American Academy of Microbiology (Elected 1986)
Fellow, American Association for the Advancement of Science (Elected 2013)
American Society for Microbiology (ASM Council, 2000-2006; Career
Development Committee, 1999-2008; Branch Organization Committee and
Region IV Planning Coordinator, 2008-2011)
Southeastern Branch, American Society for Microbiology (President, 1990-
1991; Branch Councilor, 2000-2006)
Inter-American Society for Chemotherapy (Vice President, 1983-1989)
Sigma Xi
Phi Sigma Biological Honor Society
International Association for Food Protection
American Association for the Advancement of Science

ACADEMIC APPOINTMENTS:

Robert A. Welch Foundation Postdoctoral Fellow, Department of Microbiology
and Immunology, Baylor College of Medicine (1973-1976)
Assistant Professor, Department of Biology, University of South Florida (1976-
1981)
Associate Professor, Department of Biology (Tenured), University of South
Florida (1981-1987)
Associate Faculty, Tampa General Hospital School of Medical Technology
(1982-1988)
Interim Chairman, Department of Biology, University of South Florida (1985-
1987)
Founding Director, Institute for Biomolecular Science, University of South
Florida (1988-1993)
Professor, Department of Biology, University of South Florida (1987-2006)
Founding Co-Director, Florida Center of Excellence for Biomolecular
Identification and Targeted Therapeutics (2006-2011)
Professor, Department of Global Health, College of Public Health, University of
South Florida (2000-2017)
Distinguished University Professor, University of South Florida (2006-2017)
Distinguished University Professor Emeritus, University of South Florida (2017-)

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COMMITTEE APPOINTMENTS:

Microbiology Degree Committee (1976-1987; Chairman, 1978-80)
Ph.D. Examination Committee (1976-1979; Chairman, 1979)
USF President's *Ad Hoc* Committee on University Internal Affairs (1977)
Medical Technology Committee (1979-1988)
Seminar Committee (1980)
Graduate Admissions Committee (1980, 1985-1988)
Search Committees for Immunologist, Molecular Geneticist, Animal
Virologist (1976-1982)
Faculty Advisory Committee, Department of Biology (1980-1982)
Curriculum Committee, Department of Biology (1980-1983)
Search Committee for Molecular Microbiologist (Chairman, 1983)
Search Committee for Dean, College of Natural Sciences (1983)
NIH Biomedical Research Support Grant Committee (1980-1984)
Tenure Committee, College of Natural Sciences (1985-1986)
Board of Regents Review Committee, Department of Biology (1986)
Search Committee for Immunologist (1989)
Farride

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RESEARCH GRANTS (Continued):

Evaluation of Cooling Towers for Collection, Concentration, and Detection of
Chemical and Radiological Agents, Department of Energy/Savannah River
National Laboratory, \$53,000 (3/12-9/12) (PI

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RESEARCH PUBLICATIONS:

(Graduate students in **boldface**;

RESEARCH PUBLICATIONS (Continued):

- Peterson, M.E.,** B.J. Yokel, and D.V. Lim. 1984. Recovery of selected pathogens from Naples Bay, Florida, and associated waterways. *Estuaries* 7:131-136.
- Jones, D.E.,** K.S. Kanarek, and D.V. Lim. 1984. Group B streptococcal colonization patterns in mothers and their infants. *J. Clin. Microbiol.* 20:438-440.
- Lim, D.V., W.J. Morales, S. Washington, and A.F. Walsh. 1985. Reduction of morbidity and mortality rates of neonatal group B streptococcal disease through early, rapid diagnosis and prophylactic chemotherapy. *Recent Adv. in Chemother.*, p. 2145-2146.
- Lim, D.V., W.J. Morales, A.F. Walsh, and D. Kazanis. 1986. Reduction of morbidity and mortality rates of neonatal group B streptococcal disease through early diagnosis and chemoprophylaxis. *J. Clin. Microbiol.* 23: 489-492.
- Morales, W.J., D.V. Lim, and A.F. Walsh. 1986. Prevention of neonatal group B streptococcal sepsis by the use of a rapid screening test and selective intrapartum chemoprophylaxis. *Am. J. Obstet. Gynecol.* 155:979-983.
- Lim, D.V., W.J. Morales, and A. Walsh. 1987. Lim Group B Strep Broth and coagglutination for rapid identification of group B streptococci in preterm pregnant women. *J. Clin. Microbiol.* 25:452-453.
- Morales, W.J. and D.V. Lim. 1987. Reduction of group B streptococcal maternal and neonatal infections in preterm pregnancies with preterm rupture of membranes through a rapid identification test. *Am. J. Obstet. Gynecol.* 157:13-16.
- Alberts, V.A., S.S. Khan, D.V. Lim, and D. Te Strake. 1989. Extracellular enzyme activity of some Saprolegniales from a Florida estuary. *Mycologia.* 81:460-463.
- McGarey, D.J., T. Kraxberger-Beatty,** V.A. Alberts, D. Te Strake, and D.V. Lim. 1990. Investigations of potential microbial pathogens associated with ulcerative disease syndrome (UDS) of Florida fish. *In* F.O. Perkins and T.C. Cheng (ed.) *Pathology in Marine Science*, p. 65-75. Academic Press, New York.
- Kraxberger-Beatty, T., D.J. McGarey,** H. Grier, and D.V. Lim. 1990. *Vibrio harveyi*, an opportunistic pathogen of snook, *Centropomus undecimalis*, held in captivity. *J. Fish Dis.* 13:557-560.
- McGarey, D.J., L. Milanese, D.P. Foley, B. Reyes, L.C. Frye,** and D.V. Lim.

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RESEARCH PUBLICATIONS (Continued):

- Kramer, M.F. and D.V. Lim. 2004. A rapid and automated fiber optic-based biosensor assay for the detection of *Salmonella* in spent irrigation water used in the sprouting of sprout seeds. *J. Food Protection* 67:46-52.
- Donaldson, K.A., M.F. Kramer, and D.V. Lim. 2004. A rapid detection method for Vaccinia virus, the surrogate for smallpox virus. *Biosensors and Bioelectronics* 20:322-327.
- Tims, T.B. and D.V. Lim. 2004. Rapid detection of spores directly from powders with an evanescent wave fiber-optic biosensor. *J. Microbiol. Methods* 59:127-130.
- Nyquist-Battie, C., L.E. Frank, D. Lund, and D.V. Lim. 2004. **Optimization of a fluorescence sandwich enzyme-linked immunosorbent assay for detection of *Escherichia coli* O157:H7 in apple juice.** *J. Food Protection* 67:2756-2759.
- Lian, W., S.A. Litherland, H. Badrane, W. Tang, D. Wu, H.V. Baker, P.A. Gulig, D.V. Lim, and S. Jin. 2004. Ultra-sensitive detection of biomolecules with fluorescent dye-doped nanoparticles. *Anal. Biochem.* 334:135-144.
- Simpson, J.M. and D.V. Lim. 2005. Rapid PCR confirmation of *E. coli* O157:H7 after evanescent wave fiber optic biosensor detection. *Biosensors and Bioelectronics* 21:881-887
- Nyquist-Battie, C., L. Mathias, L.E. Frank, D. Lund, and D.V. Lim. 2005. Antibody-based detection of acid-shocked, acid-adapted, and apple juice-incubated *Escherichia coli* O157:H7. *J. Immunoassay and Immunochemistry*

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RESEARCH PUBLICATIONS (Continued):

- Leskinen, S.D. and D.V. Lim. 2008. Rapid ultrafiltration concentration and biosensor detection of enterococci from large volumes of Florida recreational water. *Appl. Environ. Microbiol.* 74:4792-4798.
- O'Driscoll, M., K. Greenhalgh, A. Young, E. Tuross, S. Dickey, and D.V. Lim. 2008. Studies on the antifungal properties of N-thiolated beta-lactams.

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RESEARCH PUBLICATIONS (Continued):

Magaña, S., S.M. Schlemmer, G.R. Davidson, E.T. Ryser and D.V. Lim.
2014. Laboratory and pilot-scale dead-end ultrafiltration concentration
of sanitizer-free and chlorinated lettuce wash water for improved
detection of *Escherichia coli* O157:H

PUBLISHED ABSTRACTS (Continued):

- Peterson, M.E.,** D.V. Lim, and B.J. Yokel. 1983. Effect of pH, salinity, and temperature on the growth and toxin production of non-O1 *Vibrio cholerae* in a defined medium. Abstr. Ann. Meeting ASM, p. 283.
- Jimenez, E.M., C.E. Johnson, D.M. Normandin,** and D.V. Lim. 1983. Identification of auxotrophic and prototrophic gonococci by coagglutination and immunofluorescence. Abstr. Ann. Meeting ASM, p. 314.
- Jones, D.E., E.M. Friedl,** K.S. Kanarek, J.L. Angel, and D.V. Lim. 1983. Magnitude of colonization and transmission of group B streptococci from mothers to infants. Abstr. Ann. Meeting ASM, p. 371.
- Jones, D.E.,** K.S. Kanarek, and J.L. Angel. 1983. Elimination of multiple reactions of the Phadebact *Streptococcus* coagglutination test. Abstr. Ann. Meeting ASM, p. 376 (from the laboratory of D.V. Lim)
- Lim, D.V., **D.E. Jones,** K.S. Kanarek, and J.K Williams. 1983. Rapid, predictive diagnosis of group B streptococcal sepsis in newborn infants. Proceedings of the 13th International Congress of Chemotherapy.
- Lim, D.V., **D.E. Jones,** and **E.F. Jones.** 1984. Rapid diagnosis of mothers delivering infants at risk for early-onset group B streptococcal disease. Abstr. Ann. Meeting ASM, p. 258.
- Jimenez, E.M.** and D.V. Lim. 1984. Growth of auxotrophic and prototrophic *Neisseria gonorrhoeae* on New York City, Martin-Lewis, and Thayer-

PUBLISHED ABSTRACTS (Continued):

- Anthony, M.L.**, M.D. Malzahn, and D.V. Lim. 1991. Rapid growth and identification of *Salmonella* and *Shigella*. Abstr. Ann. Meeting ASM, p. 387.
- Jackson, R.J., K.L. Gates**, R.J. Sheridan, and D.V. Lim. 1992. Degradation of amniotic collagen fibrils by group B streptococci. *Microscopy Research and Technique*, 22:403.
- Strom, C.M.** and D.V. Lim. 1992. Purification of collagenase from group B streptococci. Abstr. Ann. Meeting ASM, p. 69.
- Jackson, R.J., K.L. Gates**, R.J. Sheridan, and D.V. Lim. 1992. Degradation of amniotic collagen fibrils by group B streptococci. Abstr. Ann. Meeting ASM, p. 69.
- Jackson, R.J., K.L. Gates, C.M. Pull**, and D.V. Lim. 1993. Collagenase-producing environmental isolate of *Bacillus* spp. and *Bacillus endophthalmitis*. Abstr. Ann. Meeting ASM, p. 51.
- Jackson, R.J.** and D.V. Lim. 1994. Collagenase production by *Bacillus cereus* and *Bacillus endophthalmitis*. Abstr. Ann. Meeting ASM, p. 49.
- Jackson, R.J.**, D.V. Lim, and M.L. Dao. 1994. Regulation of collagenolytic activity in *Streptococcus mutans*. Abstr. Ann. Meeting ASM, p. 73.

PUBLISHED ABSTRACTS (Continued):

- Morrow, M.R., R. Widen, and D.V. Lim.** 1998. A novel flow cytometry method for detecting group B *Streptococcus*. Abstr. Ann. Meeting ASM.
- DeMarco, D.R. and D.V. Lim.** 1999. A portable evanescent wave fiber optic biosensor for the rapid detection of *Escherichia coli* O157:H7 in ground beef. Abstr. Ann. Meeting ASM, p. 513.
- Ray, C.D. and D.V. Lim.** 1999. Antibiotic resistance in group B *Streptococcus*. Abstr. Ann. Meeting ASM, p. 160.
- Morrow, M.R., R. Widen, and D.V. Lim.** 1999. Detection of group B *Streptococcus* using flow cytometry after capturing with paramagnetic beads. Abstr. Ann. Meeting ASM, p. 196.
- Coakley, M.B. and D.V. Lim.** 1999. Purification of a collagenase from group B *Streptococcus*. Abstr. Ann. Meeting ASM, p. 241.
- LeHoullier, L. and D.V. Lim.** 1999. Induction of a collagenase in group B *Streptococcus*. Abstr. Ann. Meeting ASM, p. 241.
- DeMarco, D.R. and D.V. Lim.** 2000. Direct detection *E. coli* O157:H7 in apple juice and apple cider using a portable, evanescent wave fiber optic biosensor. Abstr. Ann. Meeting ASM, p. 512.
- Tims, T.B., D.V. Lim, and D.R. DeMarco.** 2000. Rapid detection of *Listeria monocytogenes* with an evanescent wave biosensor. Abstr. Ann. Meeting ASM, p. 518.
- Ray, C.D. and D.V. Lim.** 2000. Erythromycin determinants *ErmB* and *MefA/E* in group B *Streptococcus*. Abstr. Ann. Meeting ASM, p. 15.
- Kryder, C.D. and D.V. Lim.** 2001. Detection of Cy5-labeled oligonucleotide with an evanescent wave biosensor. Abstr. Ann. Meeting ASM, p. 156.
- DeMarco, D.R. and D.V. Lim.** 2001. Rapid detection of *Escherichia coli* O157:H7 in 10 and 25 gram ground beef samples using an evanescent wave biosensor. Abstr. Ann. Meeting ASM, p. 573.
- Tims, R., S.S. Dickey, and D.V. Lim.** 2001. Detection of low levels of *Listeria monocytogenes* within 12-16 hours by an evanescent wave biosensor. Abstr. Ann. Meeting ASM, p. 575.
- Lim, D.V.** 2002. Real time/near real time biosensor detection of bioterrorism agents. Proceedings of the Biodetection Technologies Conference, Alexandria, Maryland.
- M.F. Kramer, and D.V. Lim.** 2002. A ganglioside-based assay for the identification of cholera toxin utilizing an evanescent wave biosensor. Abstr. Ann. Meeting ASM, p. 37.
- and D.V. Lim.** 2002. Recovery of spores from fiber optic waveguides after rapid identification with an evanescent wave biosensor. Abstr. Ann. Meeting ASM, p. 105.

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PUBLISHED ABSTRACTS (Continued):

- Bedenbaugh, C.M.,** M.F. Kramer, and D.V. Lim. 2003. A ganglioside-based assay for the detection of cholera toxin utilizing an evanescent wave biosensor. Abstr. Ann. Meeting ASM, p. 650.
- Look, N.I., M.F. Kramer, and D.V. Lim. 2003. Extraction and detection of *Bacillus anthracis* proteins for antigenic recognition of the spores. Abstr. Ann. Meeting ASM, p. 651.
- Bedenbaugh, C.M,** M.F. Kramer, and D.V. Lim. 2004. A ganglioside-based assay for the detection of cholera toxin in oyster homogenate utilizing an

PUBLISHED ABSTRACTS (Continued):

- Nyquist-Battie, C., J-P. S. Soberano, L. Freeman, D. Lund, and D. V. Lim. 2006. Suitability of polyclonal antibodies to the rough mutant *Escherichia coli* J5 for immunoassay-based detection of the fecal indicator, *Escherichia coli*. Abstr. Ann. Meeting ASM.
- Nyquist-Battie, C, J-P.S. Soberano, L. Freeman, K. Leckband, D. Lund, and D.V. Lim. 2006. Screening commercial polyclonal antibodies against the *Escherichia coli* reference collection (ECOR) for use in portable, evanescent wave, fiber-optic biosensors. ASM Biodefense Meeting.
- Kearns, E.A., S. Magaña, and D.V. Lim. 2007. Concentration of *Escherichia coli* O157:H7 from drinking water using an automated concentration system. Abstr. Ann. Meeting ASM.
- Kramer, M.F., U. Bläsi, and D.V. Lim. 2007. Use of phage P68 virion associated protein 17 for detection of whole cells of *Staphylococcus aureus* using biosensor assays. Abstr. Ann. Meeting ASM.
- Leskinen, S.D., V.J. Harwood, and D.V. Lim. 2007. Near real-time detection of enterococci in recreational coastal waters by the Rec DEC-RAPTOR method. Abstr. Ann. Meeting ASM.
- Magaña, S., M.F. Kramer, and D.V. Lim. 2007. Cross-reactivity of *Escherichia coli* O157:H7 antibody with wastewater background flora. Abstr. Ann. Meeting ASM.
- Nyquist-Battie, C., E. Miller, D. Lund, and D. V. Lim. 2007. Production of polyclonal antibodies for the detection of *Salmonella enterica* serovars Typhimurium and Enteritidis using bacterial strains lacking the O antigen of the lipopolysaccharide

PUBLISHED ABSTRACTS (Continued):

- Hunter, D.M. and D.V. Lim. 2008. Rapid detection and identification of bacterial pathogens using an ATP bioluminescence immunoassay. Abstr. Ann. Meeting ASM.
- Leskinen, S. D., E. A. Kearns and D. V. Lim. 2009. Dead-end hollow fiber ultrafiltration with the automated concentration system for simultaneous recovery of spores and MS2 bacteriophage directly from chloraminated tap water. Abstr. Ann. Meeting ASM.
- Hunter, D. M., S. D. Leskinen and D. V. Lim. 2009. Detection of waterborne pathogens in concentrated recreational water using an ATP bioluminescence immunoassay coupled to PCR. Abstr. Ann. Meeting ASM.
- Kearns, E. A., S. Leskinen and D. V. Lim. 2009. Characterization of an improved filter for recovery of microorganisms from water using an automated concentration system. Abstr. Ann. Meeting ASM.
- Schlemmer, S. M., S. Magaña, and D. V. Lim. 2009. Method to concentrate and detect: Automated concentration system and lateral flow immunoassays. Abstr. Ann. Meeting ASM.
- Battie, C., C. Ancheta, D. Lund, and D. V. Lim. 2009. Detection of O1 using antisera produced by Genomic Antibody Technology using a plasmid containing the sequence of a surface-exposed protein of the toxin-coregulated pilus protein A (TcpA). Abstr. Ann. Meeting ASM.
- Hunter, D.M., S. D. Leskinen and D. V. Lim. 2010. ATP bioluminescence immunoassay detection and PCR confirmation of O157:H7 in concentrated recreational water. Abstr. Ann. Meeting ASM.
- Kearns, E. A., S.D. Leskinen and D. V. Lim. 2010. Automated dead-end hollow fiber ultrafiltration for simultaneous recovery of multiple organisms from tap water. Abstr. Ann. Meeting ASM.
- Leach, K.M., J. M. Stroot, and D. V. Lim. 2010. Comparison of electrochemiluminescence, cytometric bead array, and immunomagnetic separation for detection of O157:H7 on fresh produce. Abstr. Ann. Meeting ASM.
- Leskinen, S. D., E. A. Kearns and D. V. Lim. 2010. Initial field trials of the Automated Concentration System for recovery of fecal indicator bacteria from surface and ground waters of the Tampa Bay Area. Abstr. Ann. Meeting ASM.
- Magaña, S., S.M. Schlemmer, and D.V. Lim. 2010. Method to concentrate and detect pathogens in produce wash: Automated Concentration System, lateral flow immunoassays, and MSD PR2 1500. Abstr. Ann. Meeting ASM.
- Schlemmer, S.M., K. Leach, S. Magaña, and D.V. Lim. 2010. Optimizing *E. coli* O157:H7 detection on lateral flow immunoassays using concentration and immunomagnetic separation. Abstr. Ann. Meeting ASM.**

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GRADUATE STUDENTS AND THESES (Continued):

Mia L. Anthony (M.S., 1990) - An accelerated procedure for the detection of
Salmonella

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GRADUATE STUDENTS AND THESES (Continued):

- Raymond Kurz (Ph.D. 1998) - Removal of microbial indicators from stormwater using sand filtration, wet detention, and alum treatment best management practices (Environmental scientist, Ayres Associates, Inc.)
- Crystal Ray (M.S. 2000) - Antibiotic resistance genes of group B *Streptococcus* (Teacher)
- Robert Allison (MPH 2000) (Research Assistant, University of South Florida)
- William Rodriguez (M.S. 2001) - Iron requirements of *Streptococcus agalactiae* (Scientist, Sofamor Danek/Gen Surgical Corp)

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POSTDOCTORAL FELLOWS (continued):

Marianne F. Kramer, Ph.D. (2000-2007) (Assistant Professor, East Tennessee State University; retired)

Joyce Stroot, Ph.D. (2004-2011) (Microbiologist, Ciris Energy; retired)

Kelly Leach, Ph.D. (2009-2011) (Instructor, Florida Department of Corrections)

Stephaney Leskinen, Ph.D. (2005-2013) (Division Director of Integrative Health and Performance Sciences at UES, Inc.)

Elizabeth Kearns, Ph.D. (2001-2016) (Consultant)

UNDERGRADUATE RESEARCH STUDENTS AND PROJECTS:

Rosella D. Smith (1977-1978), Project: Growth and metabolism of *Neisseria gonorrhoeae*

Phillip Ruiz (1977), Project: Growth of *Neisseria gonorrhoeae* in a liquid medium

Jill DeVaise (1977), Project: Virulence properties of *Neisseria gonorrhoeae*

Rick Calermo (1978), Project: Growth of *Neisseria gonorrhoeae*

Debra Rodriguiz (1978), Project: Inhibition of hemolytic streptococci

Susan D. Day (1978), Project: Growth of streptococci in different media

Michael Kambourelis (1978), Project: Growth of *Neisseria gonorrhoeae*

Russell Graham (1978), Project: Penicillinase activity in *Neisseria gonorrhoeae*

Mary H. Marnell (1979-1980), Project: Identification of streptococci by co-agglutination

Victor Ciccarelli (1979), Project: Growth of streptococci

Richard Silverberg (1979), Project: Growth of bacteria

Lloyd West (1979-1980), Project: Effect of incubation conditions on growth of *Neisseria gonorrhoeae*

Pat Krause (1979), Project: Growth of *Neisseria gonorrhoeae* in a liquid medium

Richard Thomas (1980), Project: Virulence factors of *Streptococcus pyogenes*

Shari Goodwin (1980), Project: Growth of bacteria

Deborah Jones (1980), Project: Growth of *Neisseria gonorrhoeae* in defined media

Norma Musson (1980), Project: Virulence properties of bacteria

Teresa Kraxberger Beatty (1981), Project: Penicillin resistance of *Streptococcus agalactiae*

Martin Wells (1981), Project: Virulence properties of bacteria

Joyce Lambert (1981), Project: Rapid growth of bacteria

Lori Ignaszewski (1981), Project: Virulence of *Streptococcus agalactiae* in mice

Elizabeth Friedl Jones (1981), Project: Identification of streptococci by co-agglutination

Mark Fowlet: Grow s/12), Project: Growth of mi

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INVITED TALKS (since 2000):

Rapid detection of pathogens using a fiber optic biosensor, Florida Public Health Association Annual Meeting, Tampa, FL (July 2000)

Real time/near real time biosensor detection of microbial pathogens, North Central Association of Food and Drug Officials, Grand Rapids, Michigan (October 2000)

Bacterial contamination and detection, Nationwide Satellite Transmission, NASA Network and Sunshine Network (December 2000)

Real time/near real time detection of foodborne pathogens using a fiber optic biosensor, USDA Agricultural Research Service Center, Wyndmoor, Pennsylvania (June 2001)

Biosensor detection of microbial pathogens, Florida Foodborne Pathogen Analysis Conference, St. Petersburg Beach, Florida (July 2001)

Rapid biosensor detection of pathogens in food and water, U.S. Army Soldier and Biological Chemical Command Food Safety Workshop, Hunt Valley, Maryland (March 2002)

Real time/near real time biosensor detection of pathogenic microorganisms and toxins in food, water, and the environment, Florida Water Resources Conference, Orlando, Florida (March 2002)

Real time/near real time biosensor detection of bioterrorism agents, Biodetection Tem0 g.imicultural Rese3y rlan

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RECENT INVITED TALKS (Continued):

Insider secrets to academic jobs, American Society for Microbiology 104th General Meeting, New Orleans, Louisiana (May 2004)

Biosensors battling bacteria and bioterrorism, Discovery Day Keynote Speaker, Hillsborough Community College, Brandon, Florida (April 2005)

Rapid biosensor detection of waterborne pathogens, BioFlorida/Florida Marine Biotech Summit V, Gainesville, Florida (November 2006)

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SCIENTIFIC JOURNAL REVIEWER:

Analytical Chemistry
Biosecurity and Bioterrorism
Biosensors and Bioelectronics
Journal of Bionanoscience
AWWA Journal
Journal of Virological Methods

Journal of Food Protection
Journal of Rapid Microbiological Methods
Journal of Microbiological Methods
Optics & Lasers in Engineering
Journal of Agricultural and Food Chemistry

BIOGRAPHICAL SKETCHES:

American Men and Women of Science
The International Who's Who of Contemporary Achievement
Who's Who in Frontier Science and Biotechnology
Who's Who in Medicine and Healthcare
Who's Who in Science and Engineering
Who's Who in American Education
Who's Who among Asian Americans
Who's Who in the South and Southeast
Who's Who in Technology
Who's Who in America
Who's Who in the World
Dictionary of International Biography
Men of Achievement

OTHER:

Inventor, Lim Broth (REMEL, Becton Dickinson Microbiology Systems, PML Microbiologicals, Hardy Diagnostics, Gibson Laboratories) (FDA Gold Standard for Identification of Group B Streptococci and Recommended by the Centers for Disease Control and Prevention)
Co-Inventor (with E.A. Kearns, S.D. Leskinen, and S. Magaña), Portable Multi-Use Automated Concentration System (PMACS), licensed to Intellisense Design
U.S. Patent #6,476,015 (

