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A. Lowell

1 9 9 2 S E M I N A R S

Morning Transport

- July 6 "CFTR and its relatives: Structure, function and pathophysiology in an old family of proteins" David C. Dawson, Ph.D., University of Michigan Medical School
- July 13 "Video microscopy meets comparative renal physiology: A possible third step in organic anion secretion" David S. Miller, Ph.D., NIH/NIEHS
- July 20 "Glycoprotein traffic in epithelial cells: Its relation to cystic fibrosis" Andrew P. Morris, Ph.D. and Raymond A. Frizzell, Ph.D., University of Alabama at Birmingham
- July 27 "Chloride channels in cystic fibrosis" John W. Hanrahan, Ph.D., McGill University, Montreal, Quebec, Canada
- August 3 "Renal Na/phosphate cotransport systems: Cloning is but half the story" Andreas Werner, Ph.D., University of Zurich, Switzerland
- August 10 "Na-K-2Cl co-transport in shark rectal gland - 1992 update" Bliss Forbush III, Ph.D., Yale University School of Medicine
- August 17 "Channel transformations: Fact or fiction?" Martin Morad, Ph.D., University of Pennsylvania
- August 24 "ATP-sensitive chloride channels" Horacio F. Cantiello, D.V.M., Ph.D., Harvard Medical School; Massachusetts General Hospital
- August 31 "Multiple pathways for CNP stimulation of shark rectal gland" Patricio Silva, M.D., Harvard Medical School, New England Deaconess Hospital and Joslin Diabetes Center

Noon

- July 3 "Community ecology of tidepool macroalgae of Mount Desert Island" James Wolfe, Ph.D., Houghton College
- "Regulation of DNA synthesis in the testis of the spiny dogfish" Francesc Piferrer, Ph.D., Boston University
- July 10 "Polymorphisms of shark ATPases" and "Phylogeny of the major histocompatibility complex in skate" Charles Sidman, Ph.D., University of Cincinnati College of Medicine
- July 17 "Lobster neuromuscular physiology: Studies on the changing $\text{Ca}^{++}/\text{Mg}^{++}$ ratio and metals (Hg^{++} and Cd^{++}) on synaptic transmission" Mary L. Schwanke, Ph.D., University of Maine at Farmington
- July 24 "Osmotic response of the chloride cells of the gill in the killifish" Jose A. Zadunaisky, M.D., Ph.D., New York University Medical Center

"Squalamine: A novel aminosterol antibiotic from the shark"
Michael Zasloff, M.D., Magainin Sciences, Inc.

- July 31 "Acid-base regulation in the euryhaline sculpin" James B. Claiborne, Ph.D., Georgia Southern University
- "H⁺-K⁺ATPase in elasmobranch renal acid secretion" Erik R. Swenson, M.D., VA Medical Center, University of Washington

- August 14 10 Minute Presentations by MDIBL Undergraduate Student Fellows: Scott Benson, St. Cloud University; Sonya Hornung, Siena College; Gretchen Kuchenmeister, Bradley University; Erin Perry, Amherst College; Vicki Reed, Wright State University

Evening

- July 8 THE SECOND THOMAS H. MAREN LECTURE. "Carbonic anhydrase distribution and function in agnathans and teleosts; its relationship with red cell chloride/bicarbonate exchange" Raymond P. Henry, Ph.D., Auburn University
- July 15 "Molecular genetics of cystic fibrosis" Francis S. Collins, M.D., Ph.D., Howard Hughes Medical Institute, University of Michigan Medical School
- July 22 "The infrared 'vision' of cultured tissue cells" Guenter Albrecht-Buehler, Ph.D., Northwestern University Medical School
- July 29 "The role of Rel transcription factors in normal and abnormal cell growth" Thomas D. Gilmore, Ph.D., Boston University
- August 5 THE ELEVENTH ANNUAL WILLIAM B. KINTER MEMORIAL LECTURE. "Metallothionein in health and disease" George M. Cherian, Ph.D., University of Western Ontario Health Science Center
- August 12 THE FIRST JOHN W. BOYLAN MEMORIAL LECTURE. "The contribution of micropuncture to our knowledge of kidney function. A personal view." Carl W. Gottschalk, M.D., University of North Carolina at Chapel Hill
- August 19 MiniSymposium on Reproductive and Developmental Toxicology organized by Ian P. Callard, Ph.D., Boston University
- Afternoon Session - "Ah Receptor-Mediated Toxicity" Plenary Lecturer, Alan P. Poland, M.D., McArdle Laboratory for Cancer Research, University of Wisconsin
- Evening Session - "Role of Drug-Metabolizing Enzymes in Ligand-Modulated Transcription Effecting Growth, Homeostasis, Differentiation and Neuroendocrine Function" Plenary Lecturer, Daniel W. Nebert, M.D., University of Cincinnati Medical Center
- August 26 "Regulation of sodium homeostasis by the kidney: Cellular and molecular mechanisms" Bruce A. Stanton, Ph.D., Dartmouth Medical School

Special Seminars

- July 16 "Hitchhikers of the sea: or How a part-time jellyfish and a fake worm conspired to affect the course of human history" Prof. William H. Amos, Marine Biologist, Nature Photographer and Science Writer, Lyndonville, Vermont. Public lecture to enhance MDIBL's educational program for high school and undergraduate students funded by the Pew Foundation, Burroughs Wellcome Fund and the Hearst Foundation.
- July 30 Brown Bag Seminar - "Uropontin: A super-family of aspartic acid-rich proteins links urinary stones to bones and seashells" MDIBL Visiting Scientist, John R. Hoyer, M.D., University of Pennsylvania
- August 5 Special Discussion - "Histology of Fundulus h. adapted to 2 x S.W. and F.W: Kidneys, gills, operculum" Marvin Murray, M.D., Ph.D., University of Louisville Medical School
- August 6 "Future Science: Young Scientists at work today!" Public seminar featuring local and national high school and college students participating in exciting hands-on training programs at the MDIBL and The Jackson Laboratory describe their summer research projects.

1 9 9 2 P U B L I C A T I O N S

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