Dr. Bruce Vogel extended MBC’s reach to the Far East this winter, traveling to the People’s Republic of China. Arranged in part by his Chinese post-doctoral fellow, Chun Dong, who accompanied him, Dr. Vogel gave two seminars. The first hosted by Dr. Li Huaping, Chair of the Department of Plant Pathology, South China Agricultural University in Guangzhou and the second at Shanghai Jiao Tong University, hosted by Dr. Liping Zhao, Director of the Laboratory of Molecular Microbial Ecology and Genomics and Chair of the Department of Biotechnology. Dr. Vogel, who spoke on “Epithelial Morphogenesis in C. elegans: The role of Extracellular Matrix Proteins,” was warmly received at both of these excellent Chinese institutions. He was very impressed by the quality of the questions and discussion, finding no overwhelming language difficulties, making the trip scientifically “very worthwhile.” The trip was also a personally worthwhile experience, starting with a day in Hong Kong, before
taking the train to Guangzhou (formerly Canton) where he gave the first lecture. Dr. Dong was originally from the University there before coming to MBC to work with Dr. Vogel. His family was still in Guangzhou at the time of this visit. They then flew on to Beijing to take in the sights—the Summer Palace/Imperial Gardens, the Forbidden City and a Chinese opera. Dr. Vogel’s favorite place was the Great Wall of China. He says that its size and “tremendous historical significance” made greatest impression on him. From Beijing, they flew to Nanjing, visiting the Nanjing Agricultural University, to meet with colleagues of Dr. Dong, who got his Ph.D. there. They then headed to Shanghai, where Dr. Vogel gave his second lecture. While Dr. Dong visited with his family in Guangzhou, Dr. Vogel went on to Shenzhen which has a China Cultural Village, “like Disney World” but with more ethnic costumes according to Dr. Vogel. Overall, Dr. Vogel did five cities in two weeks.

It was a lot of traveling in a very short span of time, considering the size of China. It was also a lot of eating, as Dr. Vogel’s hosts overwhelmed him with culinary hospitality. He said it was like having three banquets a day! Dr. Vogel also left MBC and UMBI souvenirs with his hosts, cups, pens, and paperweights, which will be permanent reminders of his visit and our institution.

## New Faculty Position

MBC is again looking for a new faculty member. The advertisement was sent out to the major journals in December. Almost immediately, applications began coming in. Assistant Director Tim Hughes is coordinating the effort. The Search Committee consists of Drs. Lederer, Kao, Collins, Monteiro, Baskakov and Vogel. If the response from the last search is any indication, they have their work cut out for them. Look for seminar announcements for the top candidates in the early spring. MBC should have a new faculty member named before summer. Good luck to the committee.
IT Guy On Board

MBC is fortunate to hire Mike Kelly as our Information Technology Coordinator, as of November 27. Mike has not worked in academia before, coming to us from USi, a network support company which became a victim of the “dot.com” madness. However, he has adjusted just fine. Mike said that the private sector had an overwhelming “sense of immediacy” which contributed to a high burnout rate. When asked what he likes about his new position, he says it is the challenging yet “relaxed pace” that is most attractive.

The slower pace allows him to spend time with his wife, Sally, and their two children, Mark, 10, and Katie, 7. It also lets him indulge in his avocation—a capella singing. He is a member of two groups, a barbershop quartet called “Wheelhouse,” and a jazz quintet named “High Five.”

In collaboration with UMBI Central’s IT group, Mike is working on a variety of issues and future plans for MBC’s network. The first issue is security, which has been rather neglected. Also, the problems and delays of getting an IP address to be able to add machines to the network will soon be eliminated with the advent of a DHCP server. The infrastructure to take advantage of Internet 2, with its increased bandwidth, is nearly complete, with only upgraded routers yet to be in place. Though it will not noticeably change our current usage, eventually we will be able to handle large multimedia files and even do video conferencing from personal computers. Mike is already at work on these issues, while managing to keep all of our machines happy. Thanks and welcome.

W. Jonathan Lederer Productions

With the help of dozens of contributors, Dr. W. Jonathan Lederer gave a multimedia presentation on the occasion of Dr. Mordacai P. Blaustein’s, Chair of the Department of Physiology, receiving of the Association of Chairs of Departments of Physiology Distinguished Service Award for life time achievement in physiology. The presentation at the annual meeting in Los Cabos, Mexico included film clips, still photos, and audio tape contributed by Dr. Blaustein’s current and former faculty, post-docs and students and his family. Dr. Blaustein, who had been kept in the dark about the project, was completely taken by surprise. A film compilation of all the material, used and unused, is being prepared for Dr. Blaustein. But after such overwhelming approval, it cannot be too long before Lederer Productions will be at it again. The entire exercise does have a practical value, the lessons learned are already being applied to image acquisition and manipulation in the Lederer laboratory.

MBC/UMBI Perspectives

By Tim Hughes

September, 1987...MBC appoints its first faculty member...

With two Acting-Directors and an Assistant Director in place, it was time to make MBC’s first faculty hire. Dr. John Collins, a distinguished Professor from Clarkson University in New York, was selected in September 1987 as the first MBC primary faculty member with tenure. His offer letter charged him to “…initiate an independent research program investigating protein structure-function relations…and direct a protein sequencing facility.” This MBC appointment, in partnership with the Department of Biological Chemistry, University of Maryland School of Medicine, created the model for how, at least initially, many appointments were made.

The joint appointment arrangement allowed MBC to contribute institutional and financial resources while a sister USM campus contributed physical space in the form of laboratories and offices. The future UMBI facility, then in its earliest, conceptual stage of development, would not be available for almost ten years. Therefore, joint appointments provided for mutual contributions and benefits and became a requisite component of early MBC appointments. Joint appointment arrangements afforded both parties significant opportunities – new faculty colleagues, an expansion of critical mass in key scientific areas, shared and leveraged resources for both new and existing faculty and a foundation upon which the MBC could develop.

Dr. Collins, well situated at Clarkson, transferred his successful research program, already funded by NIH, two NSF grants, the Muscular Dystrophy Association, and a subcontract with the University of Wisconsin. In addition to existing grant support, Dr. Collins brought with him two colleagues from Clarkson – a Research Associate, Dr. John Lesyk, and a Senior Research Assistant, Ms. Janet Theibert. A major investment in equipment and annual operating funds by the MBC allowed Dr. Collins to establish the MBC Protein Sequencing Core Facility. The availability of this important facility resource and the expertise of Dr. Collins was instrumental in making MBC a visible entity in Baltimore.

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Next...618 West Lombard Street and more faculty appointments...

Did you know that the resident MBC faculty brought in over 3 million dollars in grants and contracts for the year 2001 alone?
MBC Happenings
Comings and Goings
Ayana Jackson, receptionist, has left; Tara Pierce replaced her. Dr. Long-Sheng Song, M.D., joined Dr. Lederer’s laboratory as a Research Assistant Professor. Dr. Chris Geddes, Ph.D., is the new editor of the Journal of Fluorescence Microscopy and Research Assistant Professor in Dr. Lakowicz’s laboratory. Mike Kelly is the new Information Technology Specialist for MBC.

Grants and Contracts
W. Jonathan Lederer NHLBI, NIH, “Calcium Sparks in Heart Muscle” 9/1/01, $299,395, year 4 of 5.

Publications


Song JM, Melera PW. Further characterization of the sixth transmembrane domain of Pgp1 by site-directed mutagenesis. CANCER CHEMOTHER PHARM 48:339-346 NOV 2001.


Other New Arrivals
November saw the arrival of two new faculty members. The first is Dr. Long-Sheng Song, an Assistant Professor, non-tenure track, who will be working with Dr. W. Jonathan Lederer. Dr. Song comes to MBC from the Gerontology Research Center, National Institute on Aging, NIH, where he did a postdoctoral fellowship with Dr. Peace Cheng. He got his M.D. at the North China Coal Mining Medical College in the People’s Republic of China.

The second new Assistant Professor, non-tenure track, is Dr. Chris Geddes. He is the new editor of the Journal of Fluorescence, originally founded and edited by Dr. Joseph Lakowicz, as well as continuing his research on nanotechnology. He is one of the youngest editors of a major journal. Dr. Geddes comes from the University of Strathclyde in Glasgow, having done post-doctoral work with Dr. David Birch in the Department of Physics and Applied Physics. His Ph.D. is from the University of Wales, Swansea in chemistry. One of his first projects will be to enable online submissions to the journal.

Welcome to both.

Talks and Travels
Dr. W.J. Lederer, Invited Speaker, American Heart Association Scientific Sessions 2001, Nov. 12, Anaheim, CA. “Calcium Singaling in Heart Failure.”


Dr. W.J. Lederer, Invited Speaker, 10th Annual Puerto Rico Neurosciences Conference, Nov. 30, San Juan, PR, “Multiphoton Confocal Microscopy.”

Dr. W.J. Lederer, Invited Speaker, Annual Meeting of the Association of Chairs of Departments of Physiology, Dec. 8, Los Cabos, MX, “Tribute to Dr. Mordecai P. Blaustein.”

Dr. Bruce Vogel, Invited Speaker, Shanghai Jiao Tong University and South China Agricultural University, Peoples Republic of China, Dec., “Epithelial Morphogenesis in C. elegans: The Role of Extracellular Matrix Proteins.”

Patents and Licensing
Dr. Joseph Kao filed a Provisional Patent Application, October 15, 2001 for “Water-Soluble Pro-Drug Activating Transgene Expression Under Ecdysome Promoter Control.”

Dr. Mervyn Monteiro filed a Provisional Patent Application, November 26, 2001 for “A Presenilin Interactor Protein and Uses Thereof.”