PEM6 Poster/Short Talk Titles – as of July 5th 2012

Carole Anne De Carufel, Mathieu Laporte-Wolwertz, Steve Bourgault**: Roles of cell-surface glycosaminoglycans in islet amyloid polypeptide-induced cytotoxicity** Department of Chemistry, Pharmaqam, Université du Québec à Montréal (Montreal, QC, CA)

Mare Cudic, Svetlana Yegorova, Anais Chavaroche, Maria Rodriguez and Dmitriy Minond **Novel assay for screening of low affinity glycan-lectin interactions** Torrey Pines Institute for Molecular Studies (Port St. Lucie, FL USA)

Timothy P. Curran, Adam N. Boynton, Emma L. Handy, Adam B. Lesser, Richard S. H. Yoon, Zephyr D. Dworsky, Thomas A. McTeague: **Use of Organometallics to Organize and Control Peptide Conformation** Department of Chemistry, Trinity College (Hartford, CT USA)

Anju Duley, Gurunath Ramanathan: **Effect on helical backbone conformation by insertion of extra CH2 groups in the main chain of the model heptapeptides** Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur, INDIA – 208016

Ikuhiko Nakase, Shinya Okumura, Katsuhiro Osaki, and Shiroh Futaki: **Creation of artificial epidermal growth factor receptor activated by coiled-coil peptides** Institute for Chemical Research, Kyoto University, Kyoto 611-0011, Japan

Sho Konno1, Kiyohiko Nakada1, Pillaiyar Thanigaimalai1, Takehito Yamamoto1, Yuri Yamazaki1, Fumika Yakushiji1, Kenichi Akaji2, Yoshiaki Kiso2, Yuko Kawasaki3, Ernesto Freire3, Yoshio Hayashi1 **Peptidic cysteine protease inhibitors with an arylketone warhead for SARS Coronavirus** 1Dept. of Medicinal Chemistry, Tokyo Univ. of Pharmacy and Life Sciences (Tokyo, Japan), 2Dept. of Medicinal Chemistry, Kyoto Pharmaceutical Univ. (Kyoto, Japan), 3Dept. of Biology, Johns Hopkins Univ. (Baltimore, MD USA)

Joseph Thomas Leonard1, Chris J Brown2, David P Lane2, Chandra S Verma1 **Reactivation of p53 by stapled peptides** 1Bioinformatics Institute and 2p53 Laboratory, Agency for science, Technology and Research (A\*STAR), Singapore

Wen Lin, Faith Prior, Michelle Vanase-Frawley, John Lazzaro, Sarah Wester, Jeffery Culp, Katherine Fisher and Laura McDowell **Design, Synthesis and Pharmacology of Fluorescently Labeled Ligands for ORL1 and Mu Receptor Binding Assays** Pfizer Global Research and Development, Groton Laboratories, Eastern Point Road, Groton, Connecticut 06340

Jennifer A. Maynard, Kevin Entzminger, Jeong-min Hyun, Raquel Lieberman2 **Development of peptide-bindng antibodies as generic crystal chaperones** Department of Chemical Engineering, University of Texas, Austin (Austin, TX USA) ; Department of Chemistry & Biochemistry, Georgia Institute of Technology (Atlanta, GA, USA)

Masaki Tsuchiya, Kazuto Fukunaga, Hiroshi Tsutsumi, Hisakazu Mihara **Self-Assembling Peptide Materials for Cell Scaffolds** *Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology*

Vo Thanh Phuong Nguyen, Mathieu Laporte-Wolwertz, Carole Anne De Carufel, Steve Bourgault **Interactions between sulfated glycosaminoglycans and the peptide hormone secretin** Department of Chemistry, Pharmaqam, Université du Québec à Montréal (Montreal, QC, CA)

Motoyoshi Nomizu, Yuji Yamada, Fumihiko Katagiri, Kentaro Hozumi, Yamato Kikkawa **Peptide-Polysaccharide Matrices as a Synthetic Basement Membrane** Department of Clinical Biochemistry, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences (Hachioji, Tokyo, JAPAN)

Wataru Nomura, Chie Hashimoto, Hirokazu Tamamura **HIV gp41 trimer mimics for vaccines and fusion inhibitors** Department of Medicinal Chemistry, Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University (Tokyo, Japan)

Elisabeth Nyakatura, Oliver Reimann, Toni Vagt, Mario Salwiczek, and Beate Koksch **Accommodating Fluorinated Amino Acids In Helical Peptide Environments** Freie Universität Berlin, Institute of Chemistry and Biochemistry Takustr. 3, 14195 Berlin, Germany.

Akira Otaka,\* Kohei Sato, Hao Ding, and Akira Shigenaga ***N*-Sulfanylethylanilide Peptide for Peptide Engineering** Institute of Health Biosciences and Graduate School of Pharmaceutical Sciences,The University of Tokushima, Tokushima 770-8505, Japan

Sarika Pathak, Virander Singh Chauhan **Rationale based, de novo design of dehydrophenylalanine containing antibiotic peptides and systematic modification in sequence for enhanced potency** Malaria Research Group, International Center For Genetic Engineering and Biotechnology, New Delhi, India-110067

Jean-Philippe Pitteloud, Nina Bionda, Predrag Cudic, **Novel cyclic peptides effective against multidrug-resistant Gram-negative bacteria** Torrey Pines Institute for Molecular Studies, 11350 SW Village Parkway, (Port St. Lucie, FL USA)

Raheleh Rezaei Aarghi, Elisabeth Nyakatura, Jeremie Mortier, Beate Koksch **Insights into Core-Packing of an Artificial Hetero Coiled Coil Assembly** Institute of Chemistry and Biochemistry, Freie Universität Berlin, Berlin, Germany

Ana Salomé Veigaa,b, Chomdao Sinthuvanicha,c, Diana Gasparb, Henri Franquelimb, Miguel Castanhob, Joel Schneidera **Arginine containing self-assembling peptides form potent antibacterial** hydrogels aChemical Biology Lab, National Cancer Institute, National Institutes of Health, Frederick, MD 21702; bInstituto de Medicina Molecular, Faculdade de Medicina da Universidade de Lisboa, Av. Prof. Egas Moniz, 1649-028 Lisboa, Portugal; cChemistry and Biochemistry Department, University of Delaware, Newark, DE 19716

Yuji Yamada, Kazuhiro Sato, Kentaro Hozumi, Fumihiko Katagiri, Yamato Kikkawa, Motoyoshi Nomizu **Three-dimensional cell culture system using peptide-hyaluronate hydrogels** Department of Clinical Biochemistry, Faculty of Pharmacy, Tokyo University of Pharmacy and Life Sciences (Hachioji, Tokyo, JAPAN)

Shenghui Xue, Jingjuan Qiao, Jie Jiang, Fan Pu, , Zhi-Ren Liu\* and Jenny J. Yang **Molecular imaging of cancer biomarkers by protein-based MRI contrast agents** Department of Biology and Chemistry, Georgia State University, Atlanta, GA 30303, United States

Elsa Zacco, Beate Koksch, Bernd Lepenies\*, Peter Seeberger\* **Synthetic coiled coil glycopeptides as drug carriers** Department of Chemistry, Pharmacy and Biology, Freie Universität Berlin (Berlin, Germany) Max-Planck-Institute (Berlin, Germany)\*