

252nd ACS National Meeting • Philadelphia, PA
2016 WCC Merck Research Awards Symposium

Sunday, August 21, 2016 • 8:25 am – 12:05 pm
Pennsylvania Convention Center, Room 120C

Cosponsored by ANYL, BIOL, COMP, MEDI, MPPG, ORGN, POLY and PROF
Kelly M. George, *Organizer* • Amy M. Balija, *Organizer, Presiding* • Rebecca Ruck, *Presiding*

8:25 am **Introductory Remarks**

8:30 am **Two-dimensional electronic spectroscopy reveals ultrafast dynamics in photosynthetic bacteria**



Sara C. Massey, P. D. Dahlberg, P. Ting, C. Hunter, G. S. Engel
University of Chicago

8:50 am **Resurfaced polycationic nanobodies: A potentially general scaffold for intracellularly targeted protein discovery**



Virginia J. Bruce, B. McNaughton, M. Lopez-Islas
Colorado State University

9:10 am **Reaction-based strategies for imaging biological iron**



Allegra Aron, M. C. Heffern, M. N. Vander Wal, C. J. Chang
University of California, Berkeley

9:30 am **Elucidating the melting of DNA in the presence of high local oligonucleotide density on the surface of DNA-functionalized nanoparticles**



Lam-Kiu Fong, K. L. Kohlstedt, C. A. Mirkin, G. C. Schatz
Northwestern University

9:50 am **Self-assembly of brush block copolymers to nanostructured materials**



Alice Chang, C. Bates, M. Matsen, R. H. Grubbs
California Institute of Technology

10:10 am **Intermission**

10:20 am **Arresting AIDS and curing Hepatitis C: A career in computer-aided drug design (CADD)**



M. (Kate) Holloway
Merck

11:00 am **Streamlined synthesis of complex cyclodepsipeptides**



Suzanne M. Batiste, J. N. Johnston
Vanderbilt University

11:20 am **Nickel-catalyzed activation of Amide C–N bonds**



Emma L. Baker, N. K. Garg
University of California, Los Angeles

11:40 am **Strategies toward remote C(sp³)-H oxidation of aliphatic amines**



Melissa Lee, M. S. Sanford
University of Michigan

12:00 pm **Concluding Remarks**

WCC Chair: Amber F. Charlebois
SUNY-College at Geneseo

WCC Awards & Recognition Subcommittee Co-Chairs
Laura S. Sremaniak, *North Carolina State University*
Amy Nicely, *Parkland College*