



## All Hands Meeting 2018 Agenda

### Monday, June 18, 2018

6:00 pm – 9:00 pm Moonrise Hotel Twilight Room	<i>Kick-Off Cocktail Reception</i> -Moonrise Hotel: 6177 Delmar Blvd. <i>Enjoy appetizers and drinks as you socialize with your colleagues. See Kaslina for your drink tickets upon arrival.</i>
9:00 pm – 11:00 pm Pin-Up Bowl	<i>GSPD Bowling</i> -Pin-Up Bowl: 6191 Delmar in the Loop <i>Shoes and lane rental will be covered by PARC.</i>

### Agenda: Day 1

### Tuesday, June 19, 2018

7:30 am – 8:30 am Brauer Hall 1 <sup>st</sup> Floor Atrium	<i>Hot Breakfast</i> Poster set-up on the second floor of Green Hall-Collaboration Space
8:30 am – 8:40 am Brauer Hall Room 12	<i>Welcome</i> Bob Blankenship, PARC Director <i>Opening Remarks</i> Ralph Quatrano, Washington University in St. Louis
8:40 am – 9:00 am	<i>PARC Overview</i> Bob Blankenship, PARC Director
<b>Session I</b> <b>Pigments and Artificial Systems</b> <b>Session Chair: Christine Kirmaier</b> Brauer Hall Room 12	
9:00 am – 9:20 am	Gabriel Montaña—Northern Arizona University <i>Polymeric Light Harvesting: A PARC Story</i>
9:20 am – 9:40 am	Peter Adams—University of Leeds <i>From purple bacteria to polymers to plants: My story of light-harvesting in the time of PARC</i>
9:40 am – 10:00 am	Xiaohe Jin—North Carolina State University <i>Pursuing the biosynthesis and function of tolyporphins: Very weird bacteriochlorins from a cyanobacterial-microbial holobiont</i>
10:00 am – 10:20 am	Meghan Dailey—Sandia National Lab <i>Identification of the locale of tolyporphins, unusual tetrapyrroles, using hyperspectral confocal microscopy on a microbial photosynthetic community</i>
10:20 am – 10:50 am	<i>Mid-Morning Break</i>

**Important Contact Information:** WashU Police (314) 935-5555 or 911.

The phone number to call for campus golf cart assistance 314.935.3648. The golf cart reservation should be placed before 4:30pm.

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Page 1





<b>Session II</b> <b>Electron and Proton Transfer Mechanisms</b> <b>Session Chair: Dewey Holten</b> Brauer Hall Room 12	
10:50 am – 11:20 am	Les Dutton—University of Pennsylvania <i>Nature of protein commonly adopted as electron tunneling barrier and reorganizing medium in the critical steps of natural photosynthetic energy conversions</i>
11:20 am – 11:50 am	Ana Moore—Arizona State University <i>One-electron oxidation coupled to proton transfer processes in artificial photosynthetic constructs</i>
11:50 am – 1:00 pm Brauer Hall 1 <sup>st</sup> Floor Atrium	<i>Lunch Buffet</i>
<b>Session III</b> <b>Structural Biology of Photosynthetic Antennas</b> <b>Session Chair: Himadri Pakrasi</b> Brauer Hall Room 12	
1:00 pm – 1:20 pm	Alastair Gardiner—University of Glasgow <i>The LH2 complex(es) from Rhodospseudomonas palustris</i>
1:20 pm – 1:40 pm	Pu Qian—University of Sheffield <i>Cryo-EM structure of the Blastochloris viridis RC-LH1 complex at 2.87Å</i>
1:40 pm – 2:00 pm	Melih Sener—University of Illinois <i>Energy-return-on-investment as a systems level performance measure in photosynthetic energy conversion from electronic to cell scale levels</i>
2:00 pm – 2:20 pm	Rafael Saer—Washington University in St. Louis <i>The influence of quaternary structure on the stability of Fenna-Matthews-Olson (FMO) antenna complexes</i>
2:20 pm – 2:40 pm	Haijun Liu—Washington University in St. Louis <i>The structure and function of cyanobacterial phycobilisomes-proteomics and spectrophotometry</i>
2:40 pm – 3:00 pm	<i>Afternoon Break</i>
<b>Session IV</b> <b>Administration and Outreach</b> <b>Session Chair: Jeri Timlin</b> Brauer Hall Room 12	
3:00 pm – 3:20 pm	Kaslina Love Mosley— PARC, Manager-Research Administration and Operations <i>Administrative Updates</i>
3:20 pm – 3:40 pm	Rachel Ruggirello—PARC Education & Outreach Advisor <i>Current Outreach Activities</i>

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Page 2





3:40 pm – 3:55 pm	Michael Cowen Nissen-Teacher <i>PARC Outreach Program Highlights</i>
3:55 pm – 4:30 pm	Tom Moore—Arizona State University <i>A parable about the end-Permian extinction and the Anthropocene</i>
4:30 pm – 4:45 pm Whitaker Hall 1 <sup>st</sup> Floor Atrium	<i>Group Photo</i> Whitaker Hall 1 <sup>st</sup> Floor Atrium Dan Allen, Multimedia Specialist
4:45 pm – 6:00 pm Brauer Hall 2 <sup>nd</sup> Floor Lounge	<i>Cocktail Reception</i> View posters on the second floor of Green Hall-Collaboration Space <b>Poster Viewing: Even Numbers to be present at their posters</b>
6:00 pm – 8:00 pm Brauer Hall 1 <sup>st</sup> Floor Atrium	<i>Dinner</i>

## All Hands Meeting Agenda: Day 2

Wednesday, June 20, 2018

7:30 am – 8:45 am	<i>Hot Breakfast</i>
<b>Session V</b> <b>Regulation and Efficiency of Energy Transfer</b> <b>Session Chair: Neil Hunter</b> Brauer Hall Room 12	
8:45 am – 9:05 am	Jakub Psencik—Charles University <i>Temperature dependence of chlorophyll triplet quenching in two photosynthetic light-harvesting complexes from higher plants and dinoflagellates</i>
9:05 am – 9:25 am	Nikki Magdaong—Washington University in St. Louis <i>Excitation energy transfer kinetics and efficiency in phototrophic green sulfur bacteria</i>
9:25 am – 9:45 am	Steven Chen—Washington University in St. Louis <i>Probing the role of IsiA in cyanobacteria</i>
9:45 am – 10:05 am	Ming-Yang Ho—Pennsylvania State University <i>Regulation of oxygenic photosynthesis driven by far-red light</i>
10:05 am – 10:45 am	<i>Mid-Morning Break</i>
10:45 am – 12:00 pm 2 <sup>nd</sup> Floor-Green Hall Collaboration Space	<b>Poster Viewing: Odd Numbers to be present at their posters</b>

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Page 3





12:00 pm – 1:20 pm Brauer Hall 1 <sup>st</sup> Floor Atrium	<i>Lunch Buffet</i>
<b>Session VI</b> <b>Photosynthesis in Far-Red Light</b> <b>Session Chair: Jonathan Lindsey</b> Brauer Hall Room 12	
1:20 pm – 1:50 pm	Don Bryant—Pennsylvania State University <i>How terrestrial cyanobacteria sense, respond to, and use far-red light for oxygenic photosynthesis</i>
1:50 pm – 2:10 pm	Nathan Soulier—Pennsylvania State University <i>Characterization of phycobiliproteins absorbing far-red light</i>
2:10 pm – 2:30 pm	David Bina—University of South Bohemia <i>Light-harvesting strategies in algae with "red" plastids</i>
2:30 pm – 2:50 pm	Benjamin Wolf—Washington University in St. Louis <i>Broad-spectrum photoacclimation in the Eustigmatophyte alga FP5</i>
2:50 pm – 3:30 pm	<i>Afternoon Break</i> <i>Postal Removal-All remaining posters after 4:00pm will be discarded. Thank you!</i>
3:30 pm – 4:30 pm Brauer Hall Room 3015	<b><i>For SAC Members and Principal Investigators Only</i></b>
5:00 pm <i>Edison Theater</i>	<i>Board bus for evening event</i> Meet at Edison Theater
5:30 pm – 6:30 pm <i>St. Louis Art Museum</i>	<i>St. Louis Art Museum: One Fine Arts Drive, Forest Park</i> <i>Tour/Walk-through of St. Louis Art Museum-Special Exhibition Sunken Cities</i> <i>Docents available to answer your questions</i>
5:45 pm – 6:30 pm <i>Taylor Room</i>	<i>Cocktail Reception</i> <i>Enjoy appetizers and drinks as you socialize with your colleagues. See Kaslina for your drink tickets upon arrival.</i>
6:30 pm – 7:45 pm <i>Panorama</i>	<i>Dinner</i>
7:45 pm – 8:30 pm <i>Panorama</i>	Introduction by Richard Cogdell—University of Glasgow Bob Blankenship—PARC Director <i>Photosynthetic antennas: From first discovery to the present</i>
8:45 pm	Load bus. Drop off at Moonrise Hotel.  Please see Kaslina if you choose not to ride the bus back to the Moonrise. This information is needed in order to keep an accurate headcount for the bus.

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Page 4

