



**CONTRIBUTED SESSION:  
ELEMENTAL STOICHIOMETRY IN MARINE SYSTEMS:  
IMPLICATIONS FOR ECOSYSTEM FUNCTION**

Chair: Valerie Franck (USA)

**MONDAY, JUNE 6**

- 2.00-2.30      **INFLUENCE OF DIATOMS ON GLOBAL ECOSYSTEM FUNCTIONING:  
ORIGINS OF HIGH NITRATE, LOW SILICATE, LOW CHLOROPHYLL  
(HNLSLC) REGIONS**  
Richard Dugdale, Fei Chai, Richard Barber, Richard Feely and Frances Wilkerson
- 2.30-3.00      **N:P STOICHIOMETRY IN THE SARGASSO SEA: DEVIATIONS FROM  
REDFIELD AND ECOSYSTEM IMPLICATIONS**  
James Ammerman
- 3.00-3.30      **AMAZON PLUMEWATERS DRAMATICALLY AFFECT SI:C  
PRODUCTION RATIOS IN THE WESTERN EQUATORIAL ATLANTIC  
OCEAN**  
Rebecca Shipe, Jessica Curtaz, Douglas Capone and Edward J. Carpenter
- 3.30-4.00      **EXPLORING STIOCHIOMETRIC RESPONSES OF SOUTHERN OCEAN  
PLANKTON TO IRON FERTILIZATION USING SYNCHROTRON-BASED  
X-RAY FLUORESCENCE MICROSCOPY**  
Benjamin Twining, Stephen Baines and Nicholas Fisher
- 4.00-4.30      **ELEMENTAL SIGNATURES: LINKING EVOLUTIONARY FORCES AND  
ECOLOGICAL SUCCESS**  
Antonietta Quigg, Zoe Finkel, Andrew Irwin, Bas van de Schootrugge, Susanne Feist-Burkhardt, Mimi Katz, Yair Rosenthal, Oscar Schofield and Paul Falkowski