

2016 Rising Stars

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To advance the career development of young investigators in chemical biology, ICBS has established a special session at the Annual Meeting to showcase up-and-coming chemical biology scientists. The selected recipients will give a podium presentation during the special “Rising Stars” session, and each will be further recognized for their achievements with a certificate and a monetary award.



# Yimon Aye

Yimon Aye was born in Burma. She moved to UK, and studied chemistry at Oxford University, UK, graduating in 2004 with 1st-class honors. She moved to Harvard University, USA, achieving a Ph.D. in organic chemistry under the supervision of Prof. Dave Evans. She then moved to Massachusetts Institute of Technology to research the cellular and biochemical regulatory mechanisms of the enzyme ribonucleotide reductase with Prof. JoAnne Stubbe. In her independent career at Cornell University that began in mid-2012, she set out to understand the detailed mechanisms of redox signaling. This impetus culminated in the development of T-REX™ on-demand redox-targeting toolset. Using approaches that combine synthetic methodology, biochemistry, cell biology, and specifically exploiting T-REX in cultured cells, zebrafish, and *C. elegans* models, the Aye lab is currently addressing key unsolved problems in the realms of precision redox regulation and nucleotide signaling pathways of fundamental importance and proven therapeutic significance.

