

FACULTY RESEARCH LECTURER COMMITTEE

NOMINATION FOR THE FACULTY RESEARCH LECTURER FOR THE YEAR 2017-2018

PROFESSOR TIMOTHY LYONS, DEPARTMENT OF EARTH SCIENCES

From its inception well over half a century ago, the Faculty Research Lecturer Award has been the highest honor that the Academic Senate bestows. The Committee listed below, composed of five previous Faculty Research Lecturers, is delighted to nominate, Timothy Lyons, Professor of Earth Sciences for this honor for the year 2017-2018.

Nine exceptional faculty members across all the three Colleges at the University were placed for the nomination. The committee is extremely impressed by the very high academic, research and professional activities across the different disciplines represented. The committee selected Professor Timothy Lyons for his demonstrated accomplishments in the fields of geochemistry and geobiology. Professor Lyons has been nationally and internationally recognized for his contributions to biogeochemistry. In 2016, he was referenced in over 170 journal papers in top international journals. Since 2015, Professor Lyons produced 18 publications (fifteen papers and four commentary pieces) in Science and Nature. Beyond participation in national and international conferences, Professor Lyons has received invitations for over 70 lectures at academic institutions since 2005, including the first-ever Agassiz Visiting Lectureship at Harvard University.

Professor Lyons and his research group have driven the science of 22 grants from NSF and NASA, including 18 awarded since his arrival in January 2005. Collectively, the Lyon's group has been at the center of over \$10 million of external funding at UCR. In addition, Professor Lyons is a team leader of one of the newest science teams selected to join the NASA Astrobiology Institute. The multidisciplinary team assembled will undertake a comprehensive exploration of the factors and feedback that allowed Earth to maintain a persistent state of inhabitation through most of its dynamic history and develop new proxies for biosignature detection on other planetary bodies, as part of \$7.5 million total award spread initially over five years.

Professor Lyons' research has fundamentally changed the paradigm view of how Earth's biosphere and surface environmental conditions have co-evolved through geologic time and his group's output and approaches remain at the cutting edge of deep time geochemistry, paleoceanography and geobiology.

A nominator writes: "Tim has emerged as perhaps the leading living scholar on Earth's oxygen history and its evolutionary consequences, His recent, successful leadership of the NASA Astrobiology Institute team based at UCR is a reflection of this community standing."

In recognition of his enormous and continued contribution to society, the Senate Committee on Faculty Research Lecturer unanimously and enthusiastically nominates Professor Timothy Lyons as the Faculty Research Lecturer for 2017-2018

The Faculty Research Lecturer (2016-2017) Committee

Harry Green (Department of Earth Sciences) - Chair

Howard S. Friedman (Department of Psychology)

Alexander S. Raikhel (Department of Entomology)

Xuemei Chen (Department of Botany and Plant Sciences)

Norman C. Ellstrand (Department of Botany and Plant Sciences)