# C. M. O'D. Alexander

Carnegie Institution for Science, (202) 478-8478

Earth and Planets Laboratory, calexander@carnegiescience.edu

5241 Broad Branch Road, NW.,

Washington, DC 20015,

USA.

**(b) EDUCATION**

B.S. 1983: Geology, Imperial College, London Univ., UK.

PhD.1987: Experimental Physics, University of Essex, UK.

**(b) EMPLOYMENT**

1994-to present: Staff member, DTM, Carnegie Institution of Washington.

1989-1994: Senior Research Associate, McDonnell Center for the Space Sciences, Washington University.

1987-1989: SERC Research Fellowship, Dept. Earth and Planetary Sciences, Open University.

**(c) PROFESSIONAL ACTIVITIES**

Chair of the Meteorite Working Group: 2011-2017.

Member, CAPTEM: 2014-2017.

Member, Hyabusa Sample Allocation Committee: 2012-present.

Member Leonard Medal Committee of the Meteoritical Society: 2010-2013.

Trustee of Paneth Trust: 2007-present.

Member, NASA Origins of Solar System Program review panel: Multiple.

Member, NASA Cosmochemistry Program review panel: Multiple.

Member, NASA Exobiology Program review panel: Multiple.

Member, NASA Laboratory Analysis of Returned Samples Program review panel: 2020.

Member, Program Committee of the Meteoritical Society Meeting: Multiple.

Member, Organizing Committee for the Meteoritical Society Meeting, 1995.

Member, Program Committee of the Lunar Planet. Sci. Conference: 1999-2001.

Member, Organizing Committee for Lorentz Center, Tracing Sulfur from Molecular Clouds to the Origins of Life, 2022.

Member, Organizing Committee for Kavli-IAU Astrochemistry Symposium, 2023.

Co-convener of symposia for the Goldschmidt Conference: 2002, 2012, 2014, 2015.

Associate Editor, Geochemical Journal: 2019-present.

Chair of the Joint Publication Committee for GCA: 2022-present

**(e) PROFESSIONAL SOCIETIES**

Meteoritical Society (Fellow)

Geochemical Society

American Geophysical Union

**(f) THESIS COMMITTEES**

Habilitation - Pierre Beck (U. Grenoble).

PhD - Maia Kuga (U. Nancy).

PhD - Elishevah M.M.E. van Kooten (U. Copenhagen)

PhD – Emily A. Worsham (U. Maryland)

PhD – Gregory Archer (U. Maryland)

PhD – Jon Lewis (U. New Mexico)

PhD – Takashi Yoshizaki (Tohoku U.)

PhD – Jolantha Eschrig (U. Grenoble)

PhD - Ryoga Maeda (Vrije U. Brussel)

PhD – Mabel Grey (Amer. Museum Nat. Hist.)

**(g) CARNEGIE POST-DOC MENTOR/CO-MENTOR**

Henner Busemann (with L. Nittler)

Lydie Bonal

Nan Liu (with L. Nittler)

Hikaru Yabuta (with G. Cody)

Yoko Kebukawa (with G. Cody)

Liping Qin (with R. Carlson)

Aki Takigawa (with L. Nittler)

Terrence Blackburn (with R. Carlson and L. Elkins-Tanton)

Jemma Davidson (with L. Nittler)

Me Riebe (with L. Nittler)

Ke Zhu

Myriam Telus

Andrea Patzer

Kei Shimizu

Jens Barosch (with L. Nittler)

Zachary Torrano (with R. Carlson)

James Dottin (with S. Shirey)

Julien Rojas

**(h) RECENT INVITED LECTURES**

Latsis Symposium keynote speaker, ETH Zurich, 2022

Tracing Sulfur from Molecular Clouds to the Origins of Life workshop, Lorentz Center, 2022

Jet Propulsion Laboratory seminar, 2022

AGU fall meeting, P005 Carbon Across the Universe, 2022

Dept. Earth Sciences seminar, Univ. Oxford, 2023

Buseck Center for Meteorite Studies Symposium, 2023

OSIRIS-REx Sample Analysis Team Meeting #3, 2023

Kavli Keynote Lecture, Kavli-IAU Astrochemistry Symposium, 2023

**(i) RECENT FUNDED PI PROPOSALS**

PI, NASA Emerging Worlds, The relationship between chondrite matrices and IDPs, 2018-2023, $388,000.

PI, NASA Emerging Worlds, Evolution of hydrogen in the inner Solar System: Volatile abundances and isotopic compositions in CAIs and chondrules from primitive carbonaceous chondrites, 2018-2022, $541,000.

PI, NASA Cosmochemistry, The origin and evolution of water and organics in chondrites, 2014-2017, $195,000.