

Olivier DORÉ

Contact Information

JPL/Caltech
M/S 169-506, 4800 Oak Grove Drive
Pasadena, CA, 91109, USA
Citizenship: France, US

August 2023
+1 (818) 354 0690
olivier.p.dore@jpl.nasa.gov
<https://olivierdore.space>

Professional Experience

- 07/09 - present • Principal Scientist, Group Supervisor (2015-2019), **JPL, NASA/Caltech**
- Senior Faculty Associate in Theoretical Astrophysics, PMA, **Caltech**
- 03/17 - present • Visiting Scholar, **Academia Sinica Inst. of Astronomy & Astrophysics**, Taipei, Taiwan
- 09/05 - 06/09 • Sr Research Associate, **Canadian Inst. of Theoretical Astrophysics, U. of Toronto**
- 09/02 - 08/05 • Research Associate, **Dept. of Astrophysical Sciences, Princeton University**

Education

- PhD, **Institut d'Astrophysique de Paris** (Paris VI Sorbonne), December 2001
- Part III of the Mathematical Tripos (MSc), **DAMTP, Cambridge University**, UK, 1997
- Engineering Master, **École Centrale de Paris** - Specialized in Physics, 1997

Publications

Co-author of over 360 refereed papers with over 87k citations ($h=114$) [[ADS](#)] [[Google Scholar](#)]

Honors and Awards

- JPL Explorer award, August 2019; JPL Voyager award, 2022
- European Physical Society Giuseppe and Vanna Cocconi Prize to Planck and WMAP
- Gruber 2018 Cosmology Prize to the Planck Team & PIs Mandolesi and Puget
- Breakthrough Prize in Fundamental Physics 2018 to C. Bennett & the WMAP team
- Royal Astronomical Society 2018 Group Achievement Award with the Planck team
- Gruber 2012 Cosmology Prize to C. Bennett & the WMAP team
- NASA Group Achievement Award May 2007, May 2009, May 2010, September 2014
- JPL Mariner award, May 2013; JPL Voyager award, May 2016

Research Funding & Support (partial)

- 2023 - present • **PI**, Roman PIT, *Maximizing Cosmology with the High Latitude Imaging Survey*
- 2015 - 2022 • **PI**, WFIRST Science Investigation Team, *Cosmology with the WFIRST High Latitude Survey*
- 2014 - present • **PS**, SPHEREx SMEX/MIDEX concept, selected as next MIDEX in Feb. 2019 (PI: J. Bock)
- 2013 - present • **Co-I**, NASA Member of the Euclid Consortium (US PI: J. Rhodes)
- 2013 - 2017 • **PI**, NSF Astronomy (AST)
- 2015 - 2022 • **PI**, Heising-Simons Foundation research grant
- 2011 - present • **PI**, NASA ATP, 2012-16; 2011-15, 2015-18; ADAP, 2014-17, 2019-

Professional Activities

- Project Scientist for **SPHEREx MIDEX** mission, PI J. Bock, in Phase C
- Members of the **WFIRST Formulation Science Working Group (FSWG)**
- **Probe study** team member: CDIM, PICO, ATLAS
- **PhysPAG**, Executive Committee member, 2014-2017
- **PhysPAG**, Cosmic Structure Scientific Interest Group, co-founder/chair, 2015-2017
- **CMB experiments** member: *SPIDER*, *Planck*, *WMAP* (2003-2006), and *Archeops*
- Full **ESA/NASA Euclid** consortium member
- Members of the **LSST Dark Energy Science Consortium (DESC)**
- Member of Subaru Measurement of Image and Redshifts (**SuMIRe**) collaboration
- Past member of the weak-gravitational lensing survey *Canada-France Hawaiian Legacy Survey*
- Team theorist for the past **NASA Joint Dark Energy Mission (JDEM) DESTINY**