

Name: Theodora Karalidi
 Job Title: Assistant Professor
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(a) Professional Preparation

National and Kapodistrian University of Athens	Greece	Physics	BSc 2006
University of Utrecht	The Netherlands	Astrophysics	MSc 2008
Leiden University	The Netherlands	Astrophysics	PhD 2013
University of Arizona	USA	Astrophysics	2013-2017
University of California Santa Cruz	USA	Astrophysics	2017-2019

(b) Appointments

02/2019-Present	Assistant Professor, Department of Physics, University of Central Florida, Orlando, USA
09/2017-02/2019	Postdoctoral researcher, Department of Astronomy & Astrophysics, University of California Santa Cruz, Santa Cruz, USA
06/2013-09/2017	Postdoctoral researcher, Steward Observatory, University of Arizona, Tucson, USA

(c) Products

1. Gordon, Karalidi, Bott, Miles-Paez, Mulder, Stam: "Polarized Signatures of a Habitable World: Comparing Models of an Exoplanet-Earth with VNIR Earthshine Spectra", The Astrophysical Journal, Volume 945, Issue 2, id.166, 18 pp.
2. Manjavacas, Miles-Paez, Karalidi, Vos, Galloway, Girard: "Time-resolved Optical Polarization Monitoring of the Most Variable Brown Dwarf", The Astronomical Journal, Volume 165, Issue 4, id.181, 19 pp.
3. Karalidi, Marley, Fortney, Morley, Saumon, Lupu, Visscher, Friedman: "The Sonora grid of models, part II-Cholla: a grid of cloud-free, solar metallicity imaged exoatmospheres in chemical disequilibrium for the JWST era", the Astrophysical Journal, Volume 923, Issue 2, id.269, 17 pp. ; and the database: <https://zenodo.org/record/4450269#.ZFj4nOzMJJU>
4. Mukherjee, Fortney, Batalha, Karalidi, Marley, Visscher, Miles, Skemer "Probing the Extent of Vertical Mixing in Brown Dwarf Atmospheres with Disequilibrium Chemistry", The Astrophysical Journal, Volume 938, Issue 2, id.107, 29 pp
5. Manjavacas, Karalidi, Tan, Vos, Lew, Biller, Oliveros-Gómez, "Top-of-the-atmosphere and Vertical Cloud Structure of a Fast-rotating Late T Dwarf", The Astronomical Journal, Volume 164, Issue 2, id.65, 26 pp.

(d) Graduate teaching experience

- Exoplanets & Brown dwarfs AST5334, taught Fall 2020, Spring 2023

(e) Graduate students mentored (to completion, if applicable)

- Chair of :
 - K. Gordon – post candidacy, expected graduation 2025
 - M. Galloway – pre candidacy, expected candidacy defense Dec. 2023
 - P. Braunschweig – pre candidacy, expected candidacy defense Dec. 2023
 - M. Phillippe – pre candidacy, expected candidacy defense Aug. 2025
- Member of :
 - M. Himes – PhD, graduated 2022
 - K. McIntyre – post candidacy
 - C. Moraitis – post candidacy
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(f) Other synergistic activities related to Graduate Education

1. Creation of code that maps imaged atmospheres using time resolved observations
2. Development of polarimetry-enabled radiative transfer code module to allow modeling heterogeneous planets
3. Development of radiative transfer code module to enable modeling disequilibrium chemistry in gaseous planets
4. Creation of data bases of spectra that enable the characterization of brown dwarfs and imaged exoplanets
5. Development of graduate class on Exoplanets and Brown Dwarfs at UCF