

Grant Proposals

Funded Research Grants

Agency : NSF AST/AAG (Martin Still, (703) 292-4290, mstill@nsf.gov)
Title : Toward a Realistic Model of the Formation of Terrestrial Planets and Water Delivery
Amount : \$301,160.00 (PI: **Haghighipour**, Coll: maindl, Schaefer, Burger)
Period : 10/01/2021-09/30/2024
FTE : 4/12

Agency : NASA TESS GI Cycle 4 (Patricia Boyd, 301-286-2550, patricia.boyd@nasa.gov)
Title : Discovering Circumbinary Planets with TESS
Amount : \$50,000.00 (PI: Kostov, CoI: **Haghighipour**, Welsh)
Period : 10/01/2021-09/30/2022
FTE : 0.5/12

Agency : NASA TESS GI Cycle 3 (Patricia Boyd, 301-286-2550, patricia.boyd@nasa.gov)
Title : Discovering Circumbinary Planets with TESS
Amount : \$50,000.00 (PI: Kostov, CoI: **Haghighipour**, Welsh)
Period : 10/01/2020-09/30/2021
FTE : 0.5/12

Agency : NASA TESS GI Cycle 2 (Patricia Boyd, 301-286-2550, patricia.boyd@nasa.gov)
Title : Discovering Circumbinary Planets with TESS
Amount : \$50,000.00 (PI: Kostov, CoI: **Haghighipour**, Welsh)
Period : 10/01/2019-09/30/2021
FTE : 0.5/12

Agency : NASA XRP (Melissa Morris, 202-774-8476, melissa.a.morris@nasa.gov)
Title : Dynamical Evolution of Circumbinary Disks and Embedded Planets
Amount : \$404,849.00 (PI: **Haghighipour**, Collaborators: Kley, Masset)
Period : 04/01/2018-03/31/2022
FTE : 4/12

Agency : NSF REU Program (Matthew Benacquista, 703-292-8535, mhenacqu@nsf.gov)
Title : REU Site: Astronomy in Hawaii
Amount : \$ 394,311 (PI: **Haghighipour**, Co-PI: Magnier)
Period : 04/01/2016-31/03/2022
FTE : 1/12

Agency : NASA PAST (Kelly Fast, 202-358-0768, Kelly.E.Fast@nasa.gov)
Title : A Search for New Main Belt Comets with Recurrent Activity
Amount : \$221,000.00 (PI: **Haghighipour**, Scientific PI: Hsieh, Coll: Magnier, Denneau)
Period : 10/01/2013-12/31/2016
FTE : 1.5/12

Agency : European Corporation in Science and Technology (COST)
Title : Origins and evolution of life on Earth and in the Universe
Amount : \$150,000.00 (PI: Muriel Gargaud, CoI: **Haghighipour**, et al.)
Period : 10/01/2013-09/30/2018

Agency : NASA/ADAP (Douglas M. Hudgins, 202-358-0988, douglas.m.hudgins@nasa.gov)
Title : Searching for Circumprimary and Circumbinary in Kepler Data
Amount : \$336,476.00 (PI: **Haghighipour**, CoI: Ford, Agol, Collaborators: Welsh, Carter)
Period : 01/01/2013-12/31/2015
FTE : 1.5/12

Agency : NASA/Origins (Henry Throop, 202-358-1364, henry.throop@nasa.gov)
Title : Contribution of Planetesimals to the Compositions of Giant Planets
Amount : \$110,000.00 (PI: **Haghighipour**, CoIs: Podolak, Helled)
Period : 10/01/2012-09/30/2014
FTE : 2.5/12

Agency : Hubble Space Telescope (Cycle 19)
Title : Constraining Planet Formation in the Unique Evolved Binary HR 637 (GJ 86)
Amount : \$43,402.00 (PI: **Haghighipour**, CoIs: Bond, Barstow, Burleigh, Farihi, Holberg)
Period : 01/01/2012-12/31/2013
FTE : 1/12

Agency : NASA/Origins (Henry Throop, 202-358-1364, henry.throop@nasa.gov)
Title : Discovery and Characterization of Kepler Circumbinary Planets
Amount : \$307,877.00 (PI: Welsh, CoI: Orosz, Collaborator: **Haghighipour**, Fabrycky)
Period : 01/01/2013-12/31/2015
FTE : 0/12

Agency : NASA/Cosmochemistry
Title : Origin, Thermal History, and Impact Records of Meteorites and Their Parent Asteroids
Amount : \$703,370.00 (PI: Scott, CoIs: **Haghighipour**, Bottke, Taylor)
Period : 04/15/2012-04/15/2015
FTE : 0/12

Agency : NASA/EXOB
Title : From Planetesimals to Terrestrial Planets: Formation of Habitable Planets in Binary Star Systems
Amount : \$219,835.00 (PI: **Haghighipour**, Co-I: Chambers, Kortenkamp)
Period : 06/22/2009-06/21/2013
FTE : 3/12

Agency : NASA Astrobiology Cooperative Agreement Notice
Title : Origin of Earth's Oceans
Amount : \$7,285,429.00 (PI: Karen Meech, Co-I: **Haghighipour**, et al.)
Period : 10/01/2008-09/30/2013
FTE : 1/12

Agency : NASA/Chosmochemistry Program
Title : Origin, Thermal History, and Impact Record of Meteorites and Their Parent Asteroids
Amount : \$819,950.00 (PI: Ed Scott, Co-I: **Haghighipour**, Taylor)
Period : 01/01/2009-12/31/2013
FTE : 2/12

Agency : Spitzer Space Telescope
Title : Binary Debris Disks: Follow-on Observations of Spitzer Discoveries (PI: Stansberry, CoIs: **Haghighipour**, Kortenkamp, Trilling, Jensen, Mathieu)
Amount : \$50,000
Period : 06/01/2008-05/31/2009

Agency : National Science Foundation
Title : Acquisition of Equipment for an Interdisciplinary Research Center at the Planetary Science Institute
Amount : \$183,772.00 (PI: Steve Kortenkamp, Co-I: **Haghighipour** et al.)
Period : 01/01/2005-12/31/2007

Agency : NASA/Origins of Solar System
Title : Mixing and Transport in the Solar Nebula
Amount : \$180,000.00 (PI: Alan Boss, CoI: **Haghighipour**)
Period : 09/01/2001-03/15/2004
FTE : 12/12

Funded Grants for Instrumentation and/or Conferences

Agency : NSF (Matthew Benacquista, 703-292-8535, mbenacqu@nsf.gov)
Title : A Meeting of the PIs of the NSF REU Sites in Astronomy
Amount : \$49,917.00 (PI: **Haghighipour**, Coll: Charles Liu)
Period : 10/26/2018-10/28/2021

Agency : NASA/TWSC (Mary Voytek, 202-358-0879, sara@nasa.gov)
Title : Astrobiology and Habitability in Extreme Planetary Systems
Amount : \$19,500.00 (PI: **Haghighipour**, CoIs: Rasio, Marcy, Sigurdsson)
Period : 11/29/2015-12/04/2015

Agency : NASA Astrobiology Institute
Title : IAU Symposium 293: Formation, Detection, and Characterization of Extrasolar Habitable Planets
Amount : \$20,000.00 (PI: **Haghighipour**)
Period : 08/01/2012-08/30/2012

Agency : NASA Astrobiology Institute
Title : Habitability of Extreme Planetary Systems
Amount : \$10,000.00 (PI: **Haghighipour**)
Period : 09/01/2011-09/30/2011
Agency : NASA Astrobiology Institute
Title : Habitability of Super-Earths
Amount : \$20,000.00 (PI: **Haghighipour**)
Period : 06/01/2009-06/30/2009

Agency : NASA Astrobiology Institute/Director's Discretionary Funds
Title : Acquisition of Computational Equipment for Interdisciplinary Research on the Origin of Main Belt Comets and the Formation of Habitable Planets
Amount : \$10,000.00 (PI: **Haghighipour**, Co-PI: Meech, Jewitt, Scott, Boss, Agol, Sigurdsson)
Period : 07/01/2008-10/31/2009

Agency : NASA Astrobiology Institute/Director's Discretionary Funds
Title : Workshop on the Habitability of Super-Earth Planets
Amount : \$17,000.00 (PI: Steinn Sigurdsson, Co-I: **Haghighipour**)
Period : 07/01/2008-10/31/2008

Agency : West Chester University
Title : The Dynamical Evolution of Planetary Systems
Amount : \$1852.00 (PI: Jeffrey Sudol, CoI: **Haghighipour**)

Agency : NASA Astrobiology Institute
Title : Hot-Earths: Formation, Detection, and Structure
Amount : \$4,000 (PI: **Haghighipour**, CoI: Gaidos)
Period : 05/01/2007 – 05/31/2007 (Organizing a special session on Hot Earths at the Summer 2007 Meeting of AAS in Honolulu)

Agency : NASA Astrobiology Institute
Title : Origin of Water on Terrestrial Planets
Amount : \$20,000 (PI: Meech, Co-I: **Haghighipour**, Mottl)
Period : 07/01/2007 – 06/30/2008

Agency : Fund for Astrophysics Research (FAR), Inc.
Theodore Dunham, Jr. Grants for Research in Astrophysics
Title : Computational Studies of the Dynamics of the Solar System and
The Formation of Extrasolar Habitable Planets
Amount : \$3,000 (PI: **Haghighipour**)
Period : 01/01/2007-12/31/2007

Agency : NASA Astrobiology Institute
Title : Formation and Detection of Habitable Planets
Amount : \$4,000 (PI: **Haghighipour**)

Agency : NASA Astrobiology Institute
Title : Planets in Binary Star Systems
Amount : \$4,071 (PI: **Haghighipour**)