# Grant Proposals

### Funded Research Grants

<table>
<thead>
<tr>
<th>Agency</th>
<th>Title</th>
<th>Amount</th>
<th>Period</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA TESS GI Cycle 3</td>
<td>Discovering Circumbinary Planets with TESS</td>
<td>$50,000.00 (PI: Kostov, CoI: Haghhipour, Welsh)</td>
<td>10/01/2020-09/30/2021</td>
<td>0.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency</th>
<th>Title</th>
<th>Amount</th>
<th>Period</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA TESS GI Cycle 2</td>
<td>Discovering Circumbinary Planets with TESS</td>
<td>$50,000.00 (PI: Kostov, CoI: Haghhipour, Welsh)</td>
<td>10/01/2019-09/30/2020</td>
<td>0.5/12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency</th>
<th>Title</th>
<th>Amount</th>
<th>Period</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA XRP</td>
<td>Dynamical Evolution of Circumbinary Disks and Embedded Planets</td>
<td>$404,849.00</td>
<td>01/01/2018-12/31/2020</td>
<td>4/12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency</th>
<th>Title</th>
<th>Amount</th>
<th>Period</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF REU Program</td>
<td>REU Site: Astronomy in Hawaii</td>
<td>$394,311 (PI: Haghhipour, Co-PI: Magnier)</td>
<td>01/01/2016-12/31/2018</td>
<td>1/12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency</th>
<th>Title</th>
<th>Amount</th>
<th>Period</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA PAST</td>
<td>A Search for New Main Belt Comets with Recurrent Activity</td>
<td>$221,000.00</td>
<td>10/01/2013-09/30/2015</td>
<td>1.5/12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency</th>
<th>Title</th>
<th>Amount</th>
<th>Period</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>European Corporation in Science and Technology (COST)</td>
<td>Origins and evolution of life on Earth and in the Universe</td>
<td>$150,000.00</td>
<td>10/01/2013-09/30/2018</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency</th>
<th>Title</th>
<th>Amount</th>
<th>Period</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA/ADAP</td>
<td>Searching for Circumpriortary and Circumbinary in Kepler Data</td>
<td>$336,476.00</td>
<td>01/01/2013-12/31/2015</td>
<td>1.5/12</td>
</tr>
</tbody>
</table>
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: Haghhipour, 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: Haghhipour, 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: Haghhipour, Fabrycky)
Period: 01/01/2013-12/31/2015
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: Haghhipour, 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
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: Haghhipour, 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, Co: Haghighipour)  
Period: 09/01/2001-03/15/2004  
FTE: 12/12

**Funded Grants for Instrumentation 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: 10/26/2018-10/28/2018

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, Cols: 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)