2012 N.L. Tartar Fellowship Award Listing

Ninety-two applications were submitted for consideration for this grant cycle. Thirty-six applications, totaling $72,000, were awarded by the N.L. Tartar Trust.

Grants approved for this grant period:

<table>
<thead>
<tr>
<th>Awardee</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Christine Ackerman</td>
<td>$2,000</td>
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<tr>
<td>Post-doc Fellow, Medicine, Division of Cardiovascular Medicine</td>
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<tr>
<td>Functional analysis of collagen VI mutations and their contribution to atrioventricular septal defect in Down syndrome</td>
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<tr>
<td>Brittany Arnold</td>
<td>$2,000</td>
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<tr>
<td>Medical Student, Surgery</td>
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<tr>
<td>A novel tool to predict anastomotic leak after bowel resection for cancer</td>
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<tr>
<td>Amir Azarbal</td>
<td>$2,000</td>
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<tr>
<td>Assistant Professor, Surgery</td>
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<tr>
<td>Effect of high dose vitamin C on matrix metalloproteinase levels in smokers</td>
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<tr>
<td>Sandra Baker</td>
<td>$2,000</td>
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<tr>
<td>Graduate Student, Biomedical Engineering</td>
<td></td>
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<tr>
<td>Participation in the Scientific and Standardization Committee meeting at ISTH</td>
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<tr>
<td>Marvin Bentley</td>
<td>$2,000</td>
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<tr>
<td>Post-doc Researcher, Neurology</td>
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<tr>
<td>Kinesin-3 family motor proteins mediate selective dendritic transport in hippocampal neurons</td>
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<tr>
<td>Bonnie Bolkan</td>
<td>$2,000</td>
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<tr>
<td>Post-doc Researcher, Center for Research on Occupational and Environmental Toxicology</td>
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<td>Characterization of the mechanism of seizures caused by modulation of dBACE levels in drosophilia...</td>
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<tr>
<td>Laura Bradley</td>
<td>$2,000</td>
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<tr>
<td>Medical Student, OHSU Knight Cancer Institute</td>
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<tr>
<td>The role of cytokine and growth factor receptors in the pathogenesis of acute myeloid leukemia (AML)</td>
<td></td>
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<tr>
<td>Ilya Buldyrev</td>
<td>$2,000</td>
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<tr>
<td>Research Associate, Ophthalmology</td>
<td></td>
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<tr>
<td>A novel method for determining the role of inhibition in visual processing</td>
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<tr>
<td>Heather Carpentier</td>
<td>$2,000</td>
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<tr>
<td>Resident, Pediatrics</td>
<td></td>
</tr>
<tr>
<td>Pulse oximetry screening in newborns to detect critical congenital heart disease</td>
<td></td>
</tr>
</tbody>
</table>
Julie Doberne  
MD/PhD Student, Surgery  
*In utero heart valve and great vessel development in an ovine model*  
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*In utero heart valve and great vessel development in an ovine model*

Johannes Elferich  
Graduate Student, Biochemistry & Molecular Biology  
*PH-sensing mechanism of furin*  
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Graduate Student, Biochemistry & Molecular Biology  
*PH-sensing mechanism of furin*

Stephanie Gantz  
Graduate Student, Neuroscience  
*Miniature D2 receptor-mediated inhibitory post-synaptic currents in mouse substantia nigra*  
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Carolina Glogowski  
Graduate Student, Neuroscience  
*Synaptic physiology of unipolar brush cells*  
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*Synaptic physiology of unipolar brush cells*

Noah Hornick  
MD/PhD Student, OHSU Knight Cancer Institute  
*Immune evasion in AML via exosome transfer of miRNA*  
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MD/PhD Student, OHSU Knight Cancer Institute  
*Immune evasion in AML via exosome transfer of miRNA*

Hai Huang  
Research Associate, Oregon Hearing Research Center  
*Function of KCNQ potassium channels in the presynaptic terminals*  
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*Function of KCNQ potassium channels in the presynaptic terminals*

Barbara Hunnicutt  
Graduate Student, Neuroscience  
*Functional integration of thalamic and cortical inputs in the mouse striatum*  
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*Functional integration of thalamic and cortical inputs in the mouse striatum*

Nathan Klett  
Graduate Student, Neuroscience  
*Chloride regulation in the neurons of the suprachiasmatic nucleus*  
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Graduate Student, Neuroscience  
*Chloride regulation in the neurons of the suprachiasmatic nucleus*

Brian Long  
Post-doc Researcher, Vollum Institute  
*Elucidating neuronal PKA dynamics with superresolution microscopy*  
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*Elucidating neuronal PKA dynamics with superresolution microscopy*

Hsin-Wei Lu  
Graduate Student, Neuroscience  
*Regulation of synaptic plasticity in an inhibitory circuit of the mouse auditory system*  
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Graduate Student, Neuroscience  
*Regulation of synaptic plasticity in an inhibitory circuit of the mouse auditory system*

Jessica Martin  
Graduate Student, Biochemistry & Molecular Biology  
*Elucidation of post-translational stabilization mechanisms in the human pathogen Leishmania*  
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*Elucidation of post-translational stabilization mechanisms in the human pathogen Leishmania*

Kasim Mirza  
Medical Student, Biomedical Engineering  
*Thrombogenic characterization of induced pluripotent stem cell derived endothelial grants under ...*  
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Medical Student, Biomedical Engineering  
*Thrombogenic characterization of induced pluripotent stem cell derived endothelial grants under ...*
Travis Moschak  
Graduate Student, Behavioral Neuroscience  
*The efficacy of the ethanol-binding protein LUSH to block ethanol-induced changes in behavior and cell firing*  

Renee Prins  
Fellow, OHSU Knight Cancer Institute  
*A phase 1 clinical trial of GS-1101 plus CX-4945*  

Maria Purice  
Graduate Student, Neuroscience  
*Age-related decline in glial immune activity*  

Monique Rennie  
Post-doc Fellow, Heart Research Center  
*2 photon microscopy imaging of the developing chick heart: A pilot study*  

Heidi Rivera  
Post-doc Researcher, Oregon National Primate Research Center  
*Ovarian steroids increase neuroplasticity in the dorsal raphe*  

Christopher Schafer  
Graduate Student, Biochemistry & Molecular Biology  
*Conformational changes in rhodopsin due to retinal entry and binding*  

Matthew Stump  
Post-doc Fellow, Medicine, Division of Cardiovascular Medicine  
*Silencing dominant-negative effects associated with long QT syndrome*  

Branden Tarlow  
MD/PhD Student, Cell & Developmental Biology  
*Directed differentiation of liver progenitor cells with hepatocyte-enriched microRNAs*  

Angela Tatum  
Post-doc Fellow, Molecular Microbiology & Immunology  
*Cytomegalovirus as a cancer vaccine vector*  

Shane Tillo  
Graduate Student, Vollum Institute  
*Mechanisms governing the compartmentalization of activated PKA*  

Biliana Veleva  
Graduate Student, Pediatrics  
*Live imaging of neural stem cell proliferation*  

Danielle Williamson  
MD/PhD Student, Biochemistry & Molecular Biology  
*Determinants of pH dependant activation of proprotein convertase 1*
Clayton Winkler  
Graduate Student, Oregon National Primate Research Center  
*HA oligosaccharides signal through TLRs on CNS endothelial cells to promote T cell extravasation*

Damian Zuloaga  
Post-doc Fellow, Behavioral Neuroscience  
*The effects of methamphetamine during development on hypothalamic pituitary adrenal axis function*

Kristen Zuloaga  
Post-doc Fellow, Anesthesiology & Perioperative Medicine  
*Role of aromatase in sex-specific cerebrovascular dysfunction after cerebral ischemia*