

BRC KT Grants award history

2024

<ul style="list-style-type: none"> • Dr Alon Friedman - Paroxysmal Slow Wave Events as a tool to diagnose and treat epilepsy
<ul style="list-style-type: none"> • Dr James Kramer - A Drosophila diagnostic assay for assessing genetic variants involved in Autism and Intellectual Disability
<ul style="list-style-type: none"> • Dr Ian Weaver - Untangling transcriptional control by Amyloid-beta 1-42 in Alzheimer's disease

2023

<ul style="list-style-type: none"> • Dr. Adam Johnston - Development of a pre-clinical model to interrogate the function of Twist2-positive muscle stem cells in Duchenne muscular dystrophy
<ul style="list-style-type: none"> • Dr. George Robertson - Alginate hydrogel formulation of Ru265 for the treatment of spinal cord injury
<ul style="list-style-type: none"> • Dr. Tamara Franklin - Understanding the link between adolescent stress and postpartum depression

2022

<ul style="list-style-type: none"> • Dr. Sean Christie - Understanding Spinal Cord Blood Flow After Traumatic Injury
<ul style="list-style-type: none"> • Dr. Laura Dumas & Dr Vic Rafuse - Unravelling Schwann Cell Diversity in Healthy and Injury Peripheral Nerve

2021

<ul style="list-style-type: none"> • Dr. Aaron Newman - A Speech Recognition-Based App for Aphasia Rehabilitation
<ul style="list-style-type: none"> • Dr. Jamie Kramer - Development of humanized flies models for neurodevelopmental disorders
<ul style="list-style-type: none"> • Dr. George Robertson - Development of an intranasal nanoparticle formulation of IRX4204 designed to promote functional recovery in multiple sclerosis by stimulating CNS repair mechanisms.

2020

<ul style="list-style-type: none"> • Dr. Gail Eskes - Attention Training: Development and validation of SpyTrain, a web-based attention training tool in the Cognitive Repair Kit
<ul style="list-style-type: none"> • Dr. Steven Beyea - Optimized MRI Acquisition & Reconstruction Technologies for Screening MRI in Emergency Medicine: An Innovation Partnership with Synaptive Medical
<ul style="list-style-type: none"> • Dr. Angelo Iulianella- A genetic method to scale neural organoid tissue size for disease modeling and cell replacement therapies.

2019

<ul style="list-style-type: none"> • Dr John Frampton - Development of A Flexible Biomaterial Fiber for Nerve Guidance
<ul style="list-style-type: none"> • Dr James Fawcett - Development of a mouse model for pre-clinical anxiolytic drug testing
<ul style="list-style-type: none"> • Dr Ying Zhang - A Novel Treatment for ALS
<ul style="list-style-type: none"> • Dr George Robertson - A novel lipid nanoparticle formulation to reduce ischemic/reperfusion brain injury
<ul style="list-style-type: none"> • Dr Raymond Klein - The Attention Network Test Database: A structured resource accessible to clinicians, researchers and knowledge users

2018

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| <ul style="list-style-type: none">• Dr Sean Christie - Time Is Spine: Minimizing Secondary Spinal Cord Injury by Hyper-Acute Delivery of a Combination of Pleiotropic Neuroprotectants |
| <ul style="list-style-type: none">• Dr Gail Eskes - Assessing Attention: implementing and validating the Dalhousie Computerized Attention Battery (DalCAB) on an iPad tablet |

2017

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| <ul style="list-style-type: none">• Dr Gail Eskes - Business Case and Commercialisation Plan for a Cognitive Assessment and Repair Technology Start-up Company |
| <ul style="list-style-type: none">• Dr Shaun Boe - Motor Imagery (MI) Screen: Rapid and portable assessment of imagery ability for rehabilitation
Dr Jeremy Brown - Integrated Ablation and Imaging Electronic Hardware for Guided Neurosurgery |
| <ul style="list-style-type: none">• Dr John Frampton - Systems and Methods for High-Throughput 3D Neural Cell Culture |

2016

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| <ul style="list-style-type: none">• Dr George Robertson - Therapeutic support of peroxisomal and mitochondrial function as a combinatorial approach to promote spinal cord repair. |
| <ul style="list-style-type: none">• Dr Alon Friedman - customization, implementation and testing of an image analysis algorithm in regards to UWFFA data. |
| <ul style="list-style-type: none">• Dr Shaun Boe - MiScreen: Rapid and portable assessment of imagery ability for rehabilitation. |
| <ul style="list-style-type: none">• Dr Michael Schmidt - Neuroprotection using noble gases - deeper insight and next steps in knowledge translation. In 2015, BRC KT grants were awarded to Drs. David Clarke, Gail Eskes, and George Robertson. |

In **2014**, the BRC awarded KT grants to three research teams.

In **2013**, the BRC awarded the very first round of KT grants to Dr. Ying Zhang, Dr. Sultan Darvesh, Dr. Alan Fine.