# Office of the Vice Dean, Research & Innovation

Applying for & Administering Research Funding



#### • "What's **PROPOSAL PROCESS** New?" FIND FUNDING Research **OPPORTUNITY Alerts** • Pivot • MRA • Sponsor-**APPLY** specific criteria • Success? Reviewer **RESULT** Ethics Protocol feedback • Financial and **REPORT** scientific reporting

### Sources for Finding Funding Opportunities

• "What's New in Research Funding" – Faculty of Medicine enewsletter

Research Alerts – Central OVPRI communications tool

• Pivot – 3<sup>rd</sup> party grant database (ProQuest)

• Federal and provincial websites, colleagues, and Google

### My Research Applications (MRA)

 Mandatory automated system for tracking, reviewing, and approving grant applications from University of Toronto

Internal web tool – log on with UTORID

• MRA is required in addition to submission to granting agency, e.g. CIHR

• Tracks: co-Pl's, ethics, overhead, location of research, and more...

#### **OVDRI – Proposal Development Team**

• Daniel Harney, PhD, Grants & Awards Editor

• Cindy Faber, Research Services Officer

Funding applications are approved by:

- Dr. Richard Hegele, Vice Dean, Research & Innovation
  - Based on approval by Departmental Chair(s)

#### www.medicine.utoronto.ca/research

Jeremy Knight, Manager, Research Administration & Operations jeremy.knight@utoronto.ca



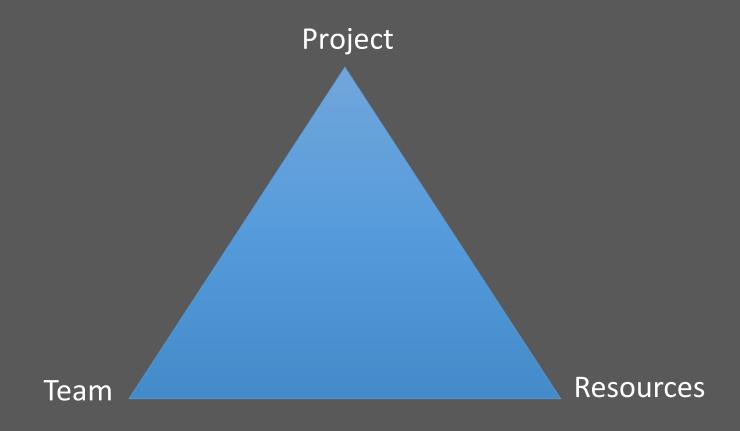




# GRANT FUNDAMENTALS AND PROPOSAL DEVELOPMENT

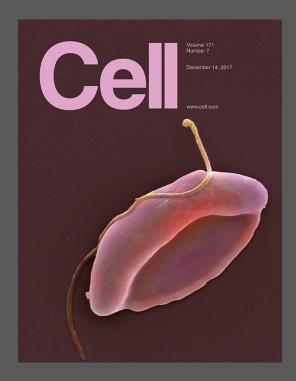
**Daniel Harney, PhD**Grants and Awards Editor
Office of the Vice Dean, Research & Innovation

# Pre-Writing Fundamentals



## The Proposal Triangle

#### Scientific Paper



#### **Grant Proposal**



#### **TENSE**

Backward-facing text vs. Forward-Facing text

#### PURPOSE

To inform vs. To persuade

#### TONE

Dispassionate vs. Conveying Excitement and Urgency

#### DICTION

Jargon/Technical vs. Multidisciplinary/Lay

#### How do Reviewers Read Grant Proposals?



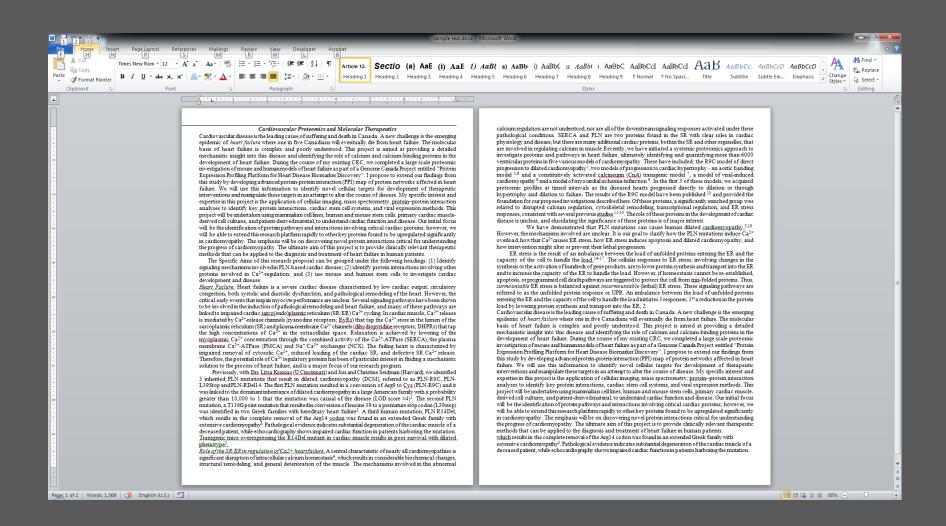
# Top Five Reviewer Critiques

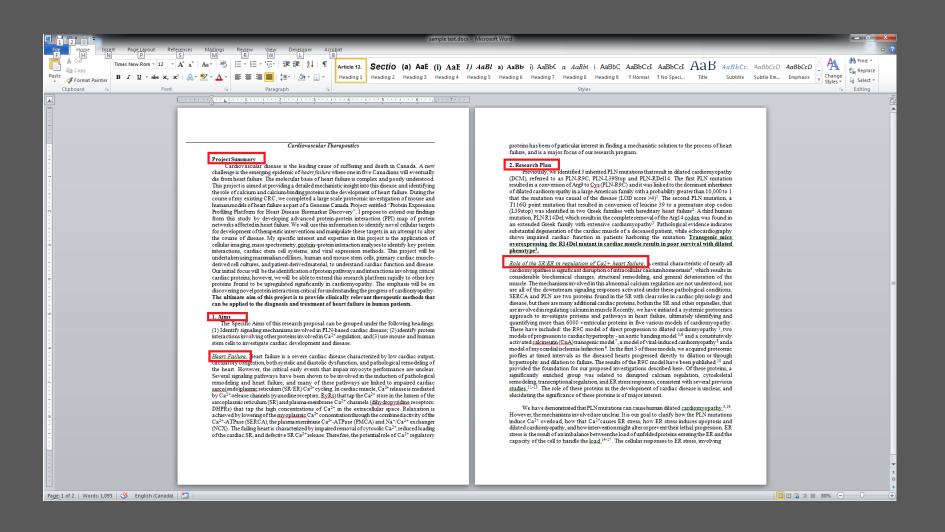
## UNCLEAR

"The science is hindered by confusing sentence structure.

The spelling errors are particularly frustrating to encounter."

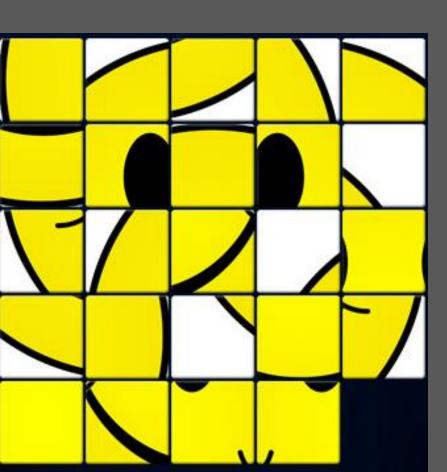






## **INCOHESIVE**

"The arguments provided in the translation section don't align with the activities and scope of the proposed projects and requested infrastructure enhancements."



## INSIGNIFICANT

"There was no mention of what will happen if the proposal is not funded."







#### THE REALITY OF SPINAL CORD INJURY

Spinal cord injuries (SCI) have a devastating impact on the health and well-being of individuals. Many would categorize SCI as one of the greatest survivable catastrophes experienced by a human being. Health care services for people who sustain a SCI are highly specialized and complex. Regardless of cause or age at injury, SCI has far reaching consequences for individuals and their families.

#### SOME FACTS ON SCI IN CANADA

People living with SCI in Canada

121,000 projected by 2030

Number of new cases of SCI each year

5,800 a year by 2030

Traumatic SCI occurs most commonly in males between the ages of



...as the population ages more injuries will occur from falls.

#### **COST OF TRAUMATIC SCI**

Financial care requirements over a lifetime for each individual can vary from

**PARAPLEGIA** 

QUADRIPLEGIA

The estimated economic cost of traumatic SCI for newly injured Canadians is

health care, equipment and modifications, long-term care. Costs are even greater when including those with chronic injuries.

#### CANADIANS WITH TRAUMATI

COMPARED TO THE GENERAL POPULATION

Are re-hospitalized

Require contact with a physician

Require home care services

Have a far shorter life expectancy

**15** > **30** fewer years

Dryden et al. 2004, "Utilization of health services following spinal cord injury: a six year follow-up study"

Krueger et al. 2013, "The economic burden of traumatic spinal cord injury in Canada\*

Noonan et al. 2012, "Incidence and prevalence of spinal cord injury in Canada: a national perspective\*

Urban Futures Institute, 2010, "The Incidence and Prevalence of Spinal Cord Injury in Canada'

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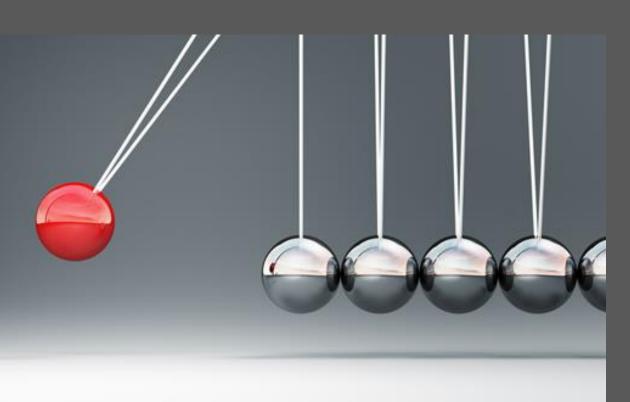
## INFEASIBLE

"It's not clear to me that the PI has the expertise or the time to complete the 3 ambitious proposed projects in the 5-years of the grant."



## LACKING IMPACT

"The proposed activities don't go beyond what has been done and is still fruitlessly being done in other programs."



# For additional Grant and Award resources, visit our website: http://medicine.utoronto.ca/research

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