Developing Competitive Programmatic Grants

William Ghali -- Scientific Director, IPH
Panel:  - Melanie Rock, Lynn McIntyre, Braden Manns, and Tom Stelfox
The grant funding game:
Strategies that might help your funding applications

William Ghali
Scientific Director, IPH
(with the Returning Panel)
The IPH Grant Strategy Series

- Introductory session
- Revision & resubmission
- Grant budgets
- Knowledge Translation
- Peer review: do it! (well...)
- And today: programmatic grants
When would you develop a “program”? 

- Actual “program grant” competitions  
  - e.g., “CRIO program”  
- Team grants  
- Infrastructure grants (for CFI and/or AET)  
- Some project grants  
- ...and CIHR’s new Foundational Scheme
Program structure

* sequential

* parallel

* legend:
Integration and Synergy

• Whole > parts?
• Thematically integrated?
• Synergy?
• Variety?
  – Mixed methods? (+++)
  – Mapping to a team’s interdisciplinarity?
  – Changes of pace?
Hazards

- Disconnected elements
- Interdependency
- Later pieces conditional
- Redundancy
- Budgetary overlap
- Lack of detail
Detail

• Always expected
• But you don’t have much space for each piece (!!!)
• Need to find balance (reduce background)
• Can use disclaimers (re: space for details)
• More acceptable when underlying grants written
Program Management:

• Gannt charts
• Risk mitigation and contingency analysis
• Critical path diagrams
• Knowledge translation
<table>
<thead>
<tr>
<th>Key Risk Factors</th>
<th>Mitigating Factors – reassuring low probability of risk</th>
<th>Contingency Plan</th>
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<tbody>
<tr>
<td>Overarching Risks for All Projects</td>
<td>• Historically high retention of collaborating faculty and large team with diverse expertise.</td>
<td>• Projects are planned collaboratively with multiple levels of faculty and stakeholders. Team is enabled to respond in the case of departure of a single individual.</td>
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<tr>
<td>Faculty departures and turnover</td>
<td></td>
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<td>Loss of or reduction of W21C core funding from federal or provincial agencies</td>
<td>• Multiple agencies currently support the W21C. As such, loss of funding from one agency could potentially be covered by funds from other sources.</td>
<td>• CRIQ budget as presented would permit completion of proposed work because it is not dependent on presence of core program funding. However research activity would be enhanced with core</td>
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RESEARCH PROJECT A: Pressure Sensing RCT

1. (4.1) Refinement of full-length RCT protocol
2. (4.2) Review of protocol by International Scientific Advisory Group
3. (4.3) Registration of trial at www.clinicaltrials.gov

4. (4.5.1) Acquire and set up Foresite systems
5. (4.4) Ethics application
6. (4.5.2) Training of staff on medical wards, ICU and neuro-rehabilitation

7. (4.4.1) Ethics approval

8. (4.5) Trial

9. (4.5.3) Identification and recruitment of patients
10. (4.5.4) Daily monitoring of patients and system
11. (4.5.5) Daily data collection and entry

12. (4.5.6) Ongoing video analysis

13. (4.6) Economic evaluation
14. (4.5.7) Analysis of data

15. (4.7) Preparation of reports
<table>
<thead>
<tr>
<th>Project</th>
<th>End Users</th>
<th>KT Strategy</th>
<th>KT Outcome</th>
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<tr>
<td>A</td>
<td>• XSENSOR&lt;br&gt;• Other device developers&lt;br&gt;• AHS procurement&lt;br&gt;• Purchasers in other health systems&lt;br&gt;• Clinical care providers</td>
<td>• Direct feedback to company&lt;br&gt;• Academic dissemination&lt;br&gt;• Direct meetings with AHS procurement leads&lt;br&gt;• Education of providers on use of device (if beneficial)&lt;br&gt;• Dissemination at W21C KT events and technology showcase events&lt;br&gt;• Dissemination at W21C KT events</td>
<td>• Proof of efficacy for an AB-based company (with associated economic benefits to the province)&lt;br&gt;• Evidence to inform procurement&lt;br&gt;• Proof of concept for other devices&lt;br&gt;• Evidence on cost-effectiveness&lt;br&gt;• Potential application and uptake on vulnerable patients&lt;br&gt;• Reduced burden of pressure ulcers in at-risk populations</td>
</tr>
<tr>
<td>B</td>
<td>• Clinicians&lt;br&gt;• AHS IT&lt;br&gt;• AHS Quality and Safety</td>
<td>• Academic publications&lt;br&gt;• Presentations at national and international meetings</td>
<td>• Improvement in PE diagnosis using implemented tool&lt;br&gt;• Fewer avoidable</td>
</tr>
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</table>
Table 1. Summary of key features in the new Open Funding Schemes.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Project Scheme</th>
<th>Foundation Scheme</th>
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<tr>
<td>Proportion of CIHR’s Open Funding Grants Budget</td>
<td>Approx. 55%</td>
<td>Approx. 45%</td>
</tr>
<tr>
<td>Grant Value(^1) (per year)</td>
<td>Approx. $25,000 to $750,000</td>
<td>Approx. $50,000 to $1.5 million</td>
</tr>
<tr>
<td>Grant Duration</td>
<td>1 to 5 years</td>
<td>5(^{**}) or 7 years</td>
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<tr>
<td>Eligibility</td>
<td>One or more independent researchers and/or knowledge users from any health field and at any career stage</td>
<td>One or more independent researchers from any health field and at any career stage</td>
</tr>
<tr>
<td>Number of grants awarded per year (at steady state(^{***}))</td>
<td>Approx. 939(^{****})</td>
<td>Approx. 114</td>
</tr>
<tr>
<td>Number of active(^{*****}) grants supported per year (at steady state)</td>
<td>Approx. 2,200</td>
<td>Approx. 750</td>
</tr>
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</table>
IN THE DOOM AND GLOOM OPPORTUNITY LOOMS

JULIAN HALL
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Grants expiring during this time have one or more of the following options:

- apply early to any of the remaining OOGP competitions without penalty (Spring 2014 OOGP, Spring 2015 Transitional OOGP)
- request a change in grant term expiry date with no increase in budget
- apply to a Foundation Live Pilot competition
- wait and apply to March or September 2016 Project Scheme
- wait and apply to the September 2016 Foundation Scheme
- apply to one of the Open Knowledge Translation Programs

Delay in onset of funding of successful Foundation Pilot #1 grantees
CIHR Foundations Pilot Eligibility & Options

Do you currently hold operating funds from CIHR Open Programs as an NPA or co-Principal Applicant? (OOG, PHSI, Knowledge Synthesis, KTA, POP I & II, IPRC)

Yes

Are you an early career investigator?

Yes

When does your grant expire?


You are not eligible to apply to the Foundations “Live Pilot”

What are your Options?

• March 2014 OOG
• March 2015 Transitional OOG
• Other CIHR Open Programs.

• Note: There will be NO OOG in Sept 2014.

No

When does your grant expire?

Oct 1, 2014 – Sept 30, 2015

You are eligible to apply to the Foundations “Live Pilot” 2014

What are your Options?

• Foundation Live Pilot Fall 2014
• March 2014 OOG
• March 2015 Transitional OOG
• Other CIHR Open Programs.

• Request change in grant term expiry date with no increase in budget
• Foundations Fall 2016 competition
• Project Grants Fall & Spring 2016

No

When does your grant expire?


You are eligible to apply to the Foundations “Live Pilot” 2015

What are your Options?

• Foundation Live Pilot Fall 2015
• March 2014 OOG
• March 2015 Transitional OOG
• Other CIHR Open Programs.

• Request change in grant term expiry date with no increase in budget
• Foundations Fall 2016 competition
• Project Grants Fall & Spring 2016

No

When does your grant expire?

After Sept 30, 2016

You are not eligible to apply to the Foundations “Live Pilot”

What are your Options?

• Other CIHR Open Programs.
• Foundations Fall 2016 competition
• Project Grant Fall & Spring 2016

Yes

Have you ever held funding from CIHR Open Programs? (OOG, PHSI, Knowledge Synthesis, KTA, POP I & II, IPRC)

No

Are you an early career investigator within the first 5 years of your first academic appointment as of Stage 1 application deadline?

Yes

You are eligible to apply to the Foundations Live Pilot Fall 2014 & Fall 2015

What are your Options?

• March 2014 OOG
• March 2015 Transitional OOG
• Other CIHR Open Programs.

• Foundations Fall 2016 competition
• Project Grants Fall & Spring 2016

No

Are you an early career investigator within the first 5 years of your first academic appointment as of Stage 1 application deadline?

Yes

You are eligible to apply to the Foundations “Live Pilots”

What are your Options?

• March 2014 OOG
• March 2015 Transitional OOG
• Other CIHR Open Programs.

• Foundations Fall 2016 competition
• Project Grants Fall & Spring 2016

No
Get With The 'Program' OR Learn to Live in Mediocrity

Anne M. Bachrach
The Accountability Coach™