



**ANNUAL SCIENTIFIC MEETING**  
**L'ASSEMBLÉE SCIENTIFIQUE ANNUELLE**

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**VANCOUVER • FEB 21-24 FÉV 2018**

# Everything you wanted to know about CIORA grants (but were afraid to ask): Tips for the community and academic rheumatologist

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# DISCLOSURES



## Dr. Michelle Teo

- Speaker for Amgen, BMS, Janssen, Roche, AbbVie, Pfizer, Celgene
- Consultant for Amgen, Janssen, Roche, AbbVie, Pfizer, Celgene, Novartis, Sanofi-Genzyme,
- Investigator for BMS, Janssen, AbbVie, Pfizer, Merck

## Dr. Elizabeth Stringer

- Advisory Board for Novartis

# LEARNING OBJECTIVES

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- 1) Appreciate the broad scope of CIORA funded projects
- 2) Understand what resources are available to you to assist with a CIORA project/grant application
- 3) Develop ideas for a CIORA research project in your practice

# Multiple Choice Questions



Question 1 : Which of the following projects would NOT be considered under a pillar of CIORA?

- a) A pilot RCT of a peer-to-peer support program in early RA
- b) Can analysis of the microbiome predict response to treatment in ankylosing spondylitis?
- c) Development of a communication tool for ophthalmologists and rheumatologists in the collaborative care of JIA-associated uveitis

# Multiple Choice Questions



Question 2: Which of the following is NOT true of a Multidisciplinary Care Team Grant?

- a) There must be a combination of a minimum of three disciplines as part of a core multi-disciplinary team
- b) Preference will be given to therapist(s) with post-graduate training in Rheumatology
- c) There must be a physician committed to the team with an interest in Rheumatology (Physician Champion)

# Outline

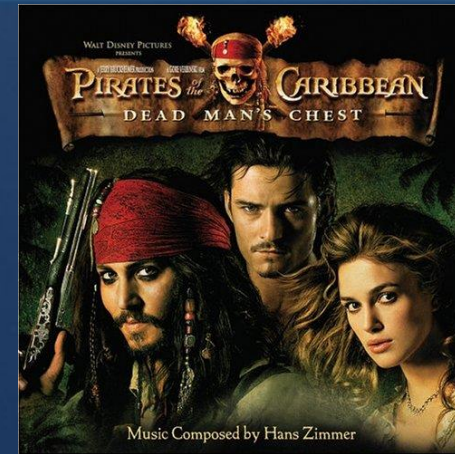
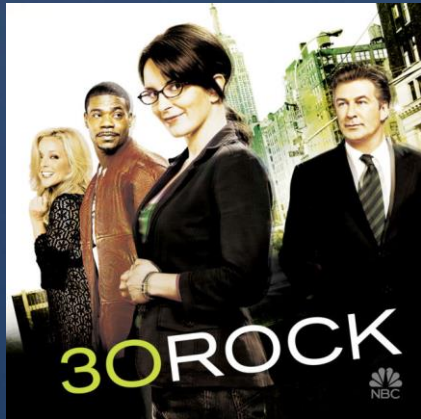
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- › History of CIORA
- › The CIORA Pillars
- › Overview of Past Grants
- › Application and Review Process
- › The Community Perspective
- › Brainstorming and Questions



2006





## CIORA then



- › Canadian Initiative for Outcomes in Rheumatology cAre
- › Abbott Canada sole sponsor 2006-2009
- › Initial three identified barriers to care
  - Earlier referral to rheumatologist
  - Comprehensive care for diagnosed patients
  - General awareness of inflammatory arthritis

# CIORA Now

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- › Expansion of research pillars
- › Sponsors:
  - AbbVie Corporation, Amgen Canada Inc., Celgene Inc., Lilly Merck Canada Inc., Novartis, Pfizer Canada

## 2006 Chair of CIORA

- › “CIORA focuses on finding practical solutions to real-life problems.”
- › “...for solving specific issues in the daily practice of rheumatology that can lead to better care of our patients.”



Dr. Boulos Haraoui

RandallAnthony Communications Inc. and Globe and Mail. (2009, March 30).  
New research program addresses issues in inflammatory arthritis care. *The  
Globe and Mail*. Pp 3

## CIORA member

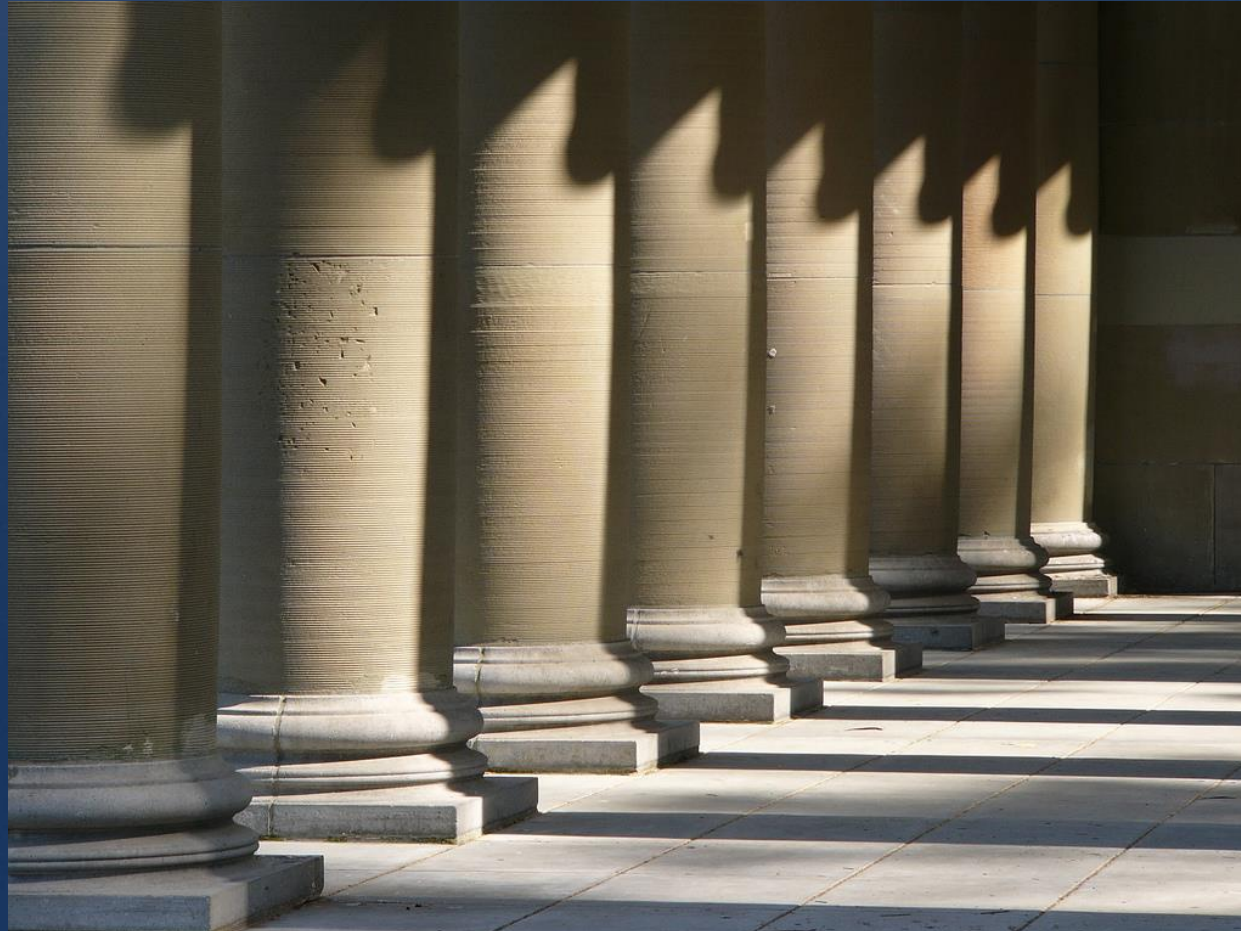
- › “...they can be used in other provinces or regions where they can be adapted to the particular environment of the region.”



Dr. Janet Pope

RandallAnthony Communications Inc. and Globe and Mail. (2009, March 30).  
New research program addresses issues in inflammatory arthritis care. *The  
Globe and Mail*. Pp 3

# CIORA Pillars and Stats



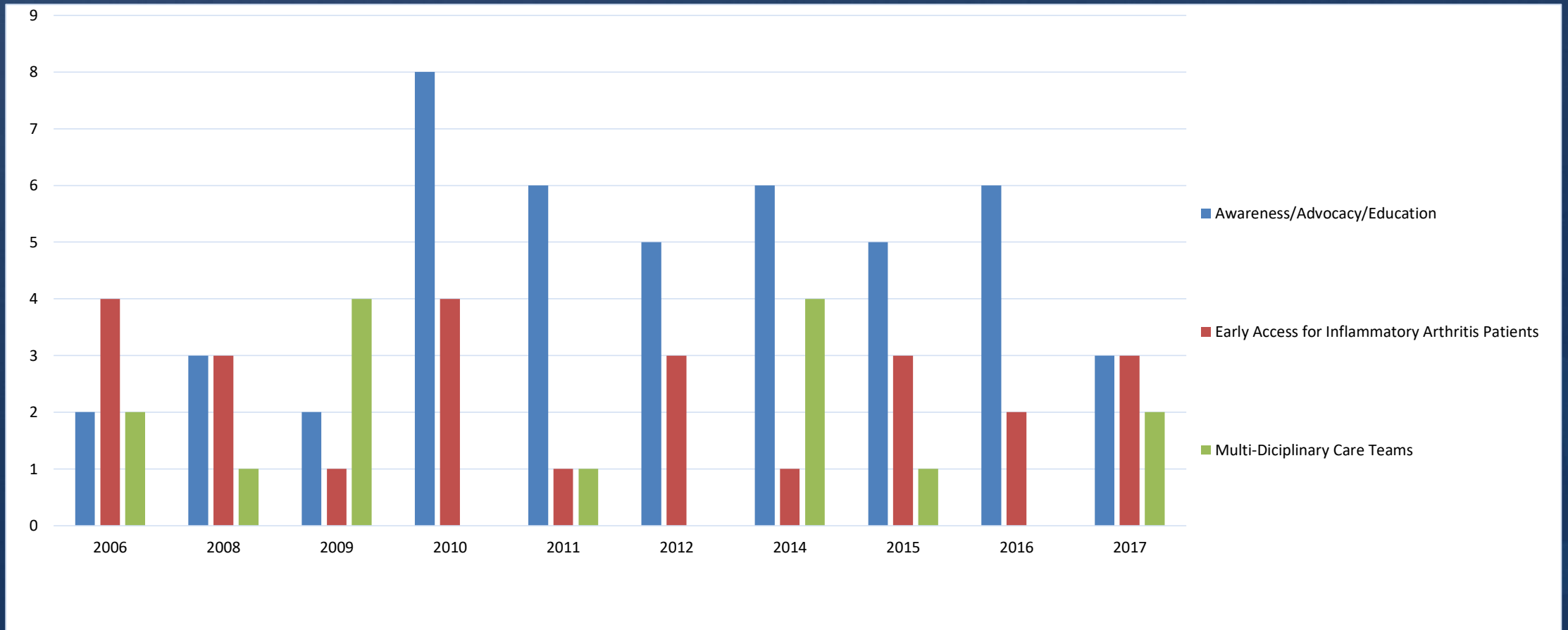
# CIORA Terms of Reference: The 3 Pillars



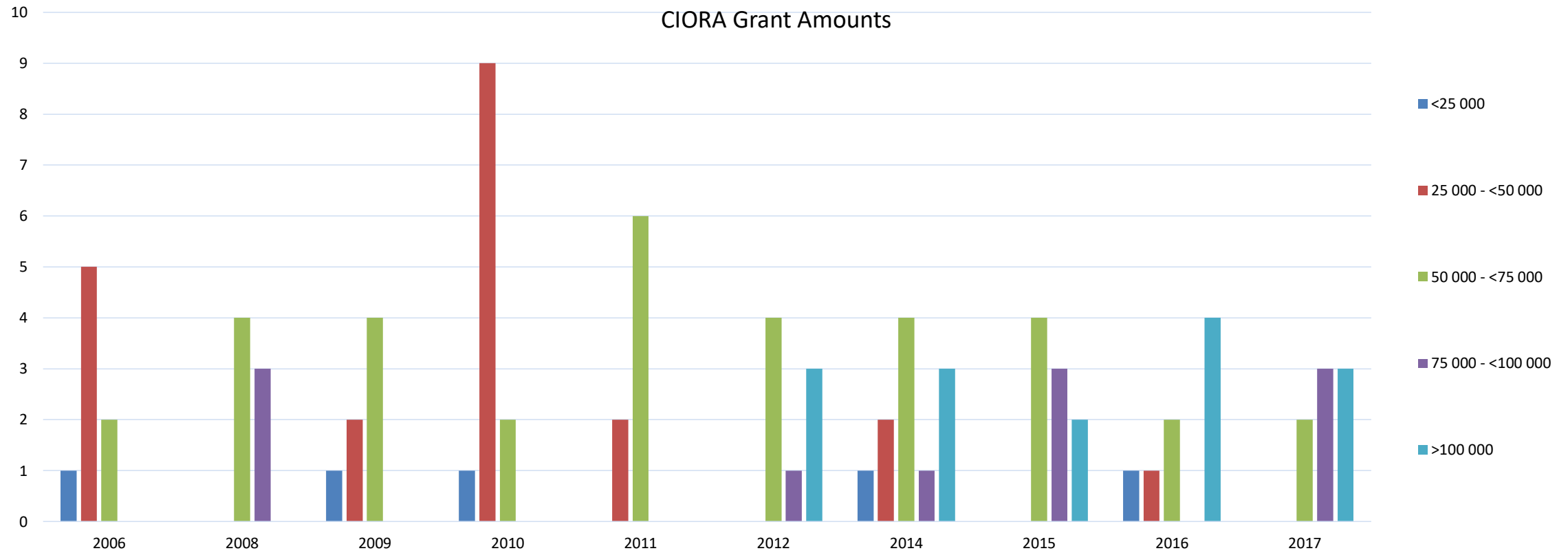
1. To support research initiatives related to all Rheumatic Diseases in one or more of these 3 categories\*:
  - a. Awareness/Advocacy/Education **NEW:** Health Economics/Sustainability of Health Care/Quality Improvement
  - b. Early Access for all Rheumatic Diseases Patients
  - c. Multi-Disciplinary Care Teams

\* The CIORA Grant ToR has examples of research questions and measurable outcomes for each pillar

# Distribution of Pillars by Year

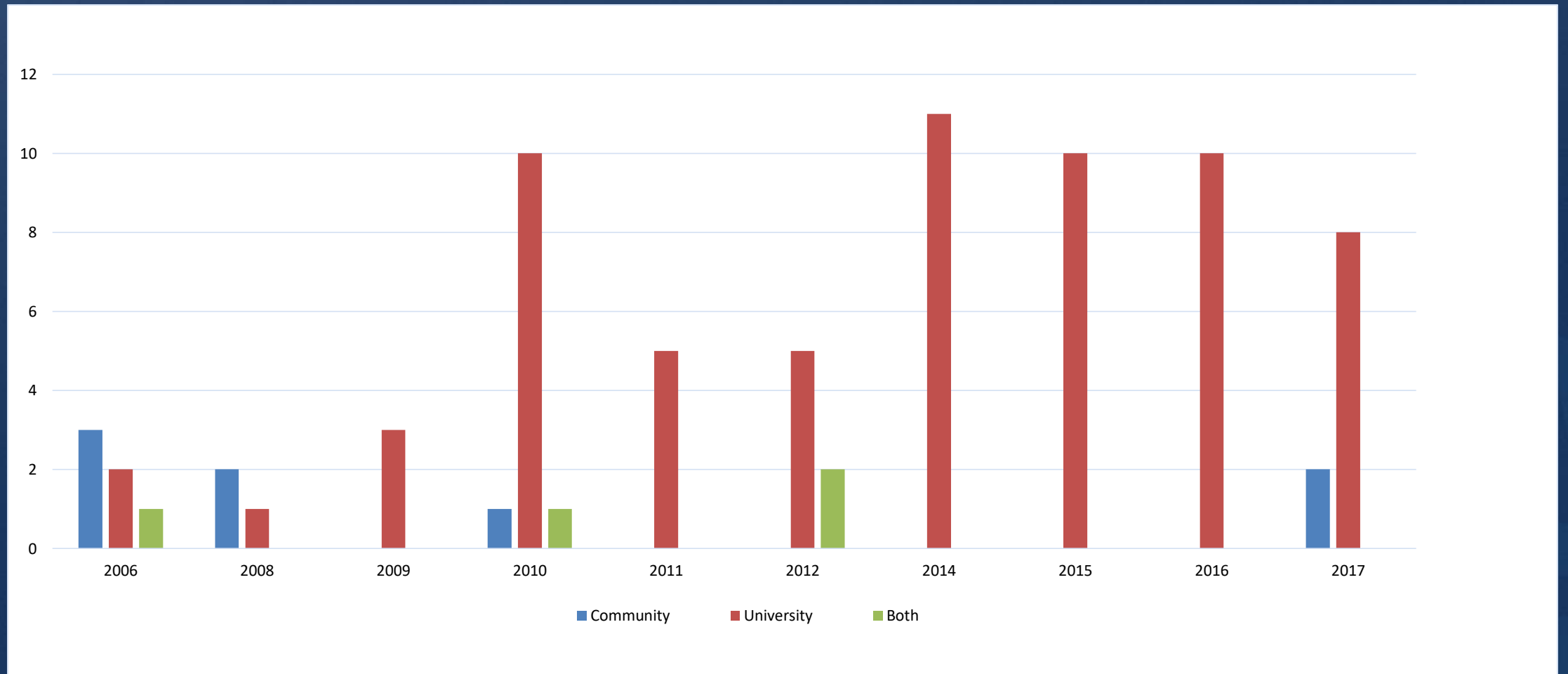


# Distribution of Funding Amounts by Year






# Distribution of CRA Member PIs



# What kind of topics are funded?



## Some examples....(all previously awarded grants published on CIORA website)



- ▶ A multi-disciplinary, community-based group intervention for fibromyalgia: A pilot randomized controlled trial (Multidisciplinary Teams)
- ▶ Moving on: Perspectives of young people with arthritis, their caregivers, and health care providers on transition (Multidisciplinary Teams)
- ▶ Preventing rheumatoid arthritis (Pre-RA): perspectives of people at risk and of rheumatologists on selected interventions (Early Access)
- ▶ The Economic Challenges of SLE: Measuring and Mitigating the Impact (AAE)
- ▶ Increasing access to inflammatory arthritis education in rural communities in Ontario using telemedicine (AAE)

# CIORA Grants – Terms of Reference Overview



- › Two types of grants are available:
  - One-year funding to a maximum of \$75,000
  - Two-year funding to a maximum of \$120,000
- › All grants are peer reviewed and awarded based on the recommendation of the CRA Research Committee
- › All proposed project funding is for Canadian research and funds must be spent in Canada.
- › The Principal Applicant or co-applicant must be a rheumatologist practicing in Canada and a member of the CRA.

# CIORA Grants – Terms of Reference Overview



## › Deadlines:

- February 28<sup>th</sup>, 2018: Letter of Intent
- March 30<sup>th</sup>, 2018: Deadline to submit at midnight
- June 2018: Awarded grants will be announced

# Grant Proposal Elements



- › The grant application must be no more than 10 pages:
  - Scientific Abstract (500 words), Lay Summary (350 words)
  - Proposal (3000 words ~ 6 pages) (50 points total)
    - Background and objectives (5 points)
    - Methods (25 points)
    - Impact, as measured by expected results, project deliverables and dissemination (10)
    - Feasibility and sustainability (10)

## Other Items to include



- › Description of how this project leverages other funding (if applicable)
- › Budget
- › References
- › Optional:
  - Images, Appendices
  - Letters of support

# CV's



- › Abbreviated CV from a maximum of 5 key applicants (maximum 2 pages for each applicant)
  - Applicants credentials, all awarded grant funding and publications (total and those over the last 5 years)
- › The remaining co-applicants can be listed on a table and include names, degrees, position (including university, if applicable), areas of expertise and role on the project.



**A. Current Employment and Affiliations**

<i>Affiliation</i>	<i>Position</i>

**+** **B. Education**

<i>Degree / certificate</i>	<i>Institution / Organization</i>	<i>Discipline</i>	<i>Year</i>

**C. Expertise Keywords****D. Awards and Distinctions**


**E. Selected Peer Reviewed Publications (Career total ; Last 5 years )****F. Selected Peer Reviewed Research Grants**

<b>Agency</b>	<b>Title</b>	<b>Total \$</b>	<b>Year</b>	<b>Role</b>

**G. Contributions -**

# Pillar: Awareness, Advocacy, Education + **New Sub-pillar**

Sub-pillars	Brief Definition/examples	Potential Outcomes
Awareness	Build awareness and understanding	Earlier referrals, more appropriate referrals, more patients' adherent to DMARDs, etc.
Advocacy	Impact government policy to ensure support for RD initiatives	Joint funding from another source for testing a model of care, coherent criteria for access to medications across provinces, private insurers, etc.
Education	1) improve knowledge and/or care for RD, 2) attract more physicians to the specialty of Rheumatology, 3) develop co-management tools strategies, and 4) develop patient education programs for RD	More appropriate referrals to Rheumatologists, increased number of patients diagnosed with RC, improved care for patients with RD, increase the number of Rheumatologists, better understanding by patients, the public and government.
<b>Health Economics/ Sustainability of Health Care/Quality Improvement</b>	Cost effectiveness, evaluating care using quality indicators, systems to sustain health care	Determining cost effective treatment, determining the most useful outcomes to collect on patients with rheumatic diseases, changing attitudes towards stewardship of ordering tests and prescribing, determining the effectiveness of the Choosing Wisely campaign.

# Pillar: Early Access



Pillar	Brief Definition/examples	
Early Access	Develop early access programs for people with Rheumatic Diseases across Canada.	More patients will be diagnosed with Rheumatic Diseases at an early stage as compared with regions where the pilot programs are not in place.

# Pillar: Multi-Disciplinary Care Team



Pillar	Brief Definition/examples	
Multi-Disciplinary Care Team	Establish the multi-disciplinary approach to the treatment of all Rheumatic Diseases in Rheumatology practices across Canada. There must be a physician committed to the team with an interest in Rheumatology (Physician Champion).	Timely treatment and regular patient follow-up by enlisting the involvement of supportive health professionals. Better care of patients with Rheumatic Diseases should be demonstrated.

**There must be a combination of a minimum of two disciplines from the following list as part of a core multi-disciplinary team. Preference will be given to therapist(s) with post-graduate training in Rheumatology: OT, PT, RN, NP, Pharmacist, SW, Psychologist, Kinesiologist, Dietician, Family Doctor**

**There should be an Administrative Champion to facilitate Program development and outcome monitoring and responsiveness to the CRA Research Committee**

# Practical tips for the application



- › Read the ToR *very* carefully – deliver everything that is required and be explicit about it
- › Tell a very clear, logical, and convincing story in *every* section of the proposal particularly the background
- › Provide opportunity for feedback and revisions from co-investigators or external peer review (Establish this as an expectation from you co-investigators at the beginning and include a time-line)
- › Consider a flow-chart and/or diagram to supplement your proposal (a picture is worth a thousand words but could take up only ½ a page)
- › Review Fundable items for your budget – be detailed in your justification of costs
- › Grant is uploaded electronically by section – don't leave until last minute to upload

# Back to the community




## 2006 grants

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- › \$20-60 K / grant (8 in total)
- › 3 Community PIs
- › 1 Community/Academic PI
- › 2 University PIs
- › 2 Non CRA members

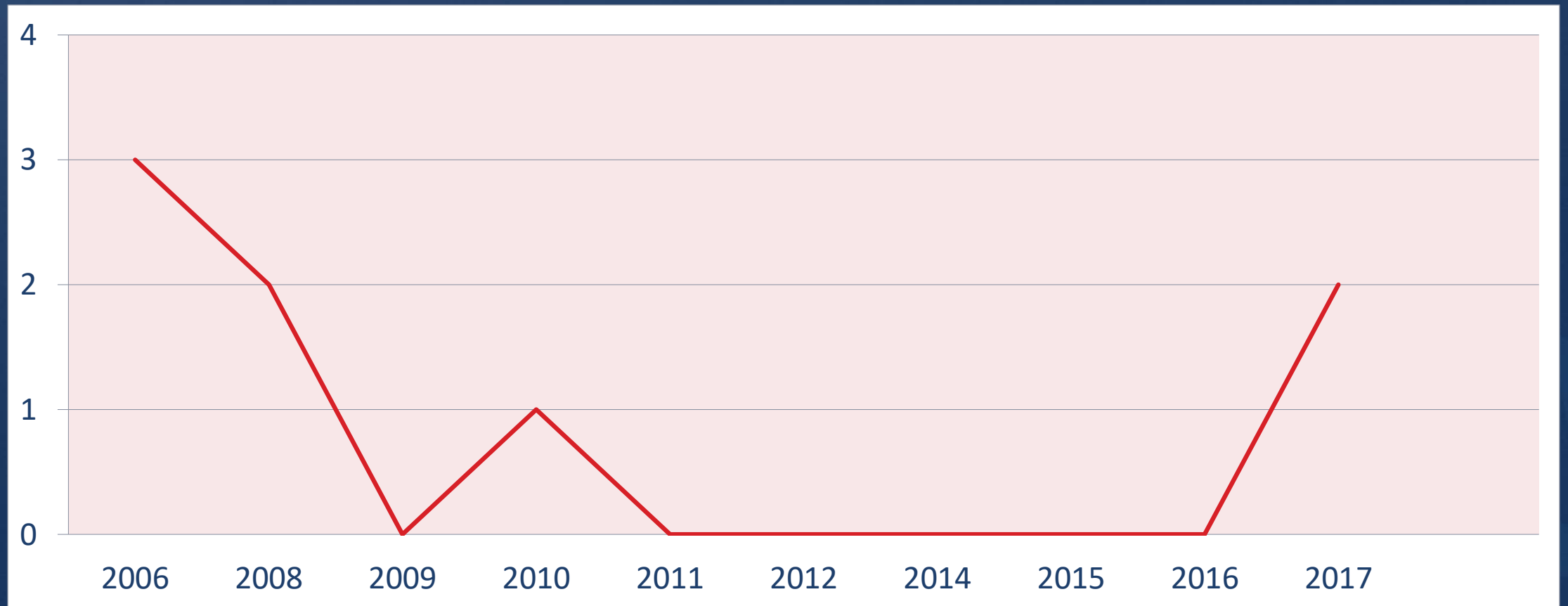
# Examples of 2006 successful grants of Community Rheumatologists



- › Dr. Majed Khraishi
  - Development of rheumatology nursing model of care
- › Dr. Andy Thompson
  - Creation of new referral tool to decrease wait times for inflammatory arthritis patients



# Successful Community PI CIORA Grants



# Success rate of CIORA applications 2006-2015



- › Total of 70 applications
  - University 57
  - Community 7
  - Both 6
- › Successful applications
  - University 35
  - Community 3
  - Both 2

# Need for Support





# Tips for community rheumatologists



- › Collaborate with an academic
  - Research question
  - Grant application
    - Proposal
    - Methods/Analysis
    - Budget
  - Ethics
  - Data analysis
  - Contracts/Legal
  - Manuscript
- › Hire a research coordinator



# Tips for community rheumatologists



- › Look for support:
  - Health Authority
  - Department of Medicine
  - Community Research Organizations
  - CRA
  - TAS




[CIORA](#)
[CIHR](#)
[Clinician Investigator Award](#)
[2017 Grant Awards](#)
[2016 Grant Awards](#)
[2015 Grant Awards](#)
[2014 Grant Awards](#)
[2012 Grant Awards](#)
[2011 Grant Awards](#)
[2010 Grant Awards](#)
[2009 Grant Awards](#)
[2008 Grant Awards](#)
[2006 Grant Awards](#)

## CIORA

### Canadian Initiative for Outcomes in Rheumatology cAre (CIORA)

CIORA is a unique granting organization committed to being a catalyst for improving the care of Canadians living with all rheumatic diseases.

CIORA's grant program supports sustainable projects related to rheumatic diseases that promote:

- Awareness/Advocacy/Education
- Early Access for rheumatic disease patients
- Multi-Disciplinary Care Teams

### CIORA is issuing another call for grants in 2018!

CIORA Online Grant Application System opens **January 29, 2018**.

Letter of Intent must be submitted by **February 28, 2018**.

CIORA Online Grant Application submission deadline is **March 30, 2018 at 23:59 (Pacific Time)**

Grant notifications will be sent out in **June 2018**.

- [CIORA Grant Terms of Reference](#)
- [Fundable & Non-Fundable Items](#)
- [Sample 2 page CV](#)
- [Budget Template](#)
- [Timeline Template](#)


[Need Help?](#)


- Here are a few [tips on how to get a CIORA grant](#)
- Please contact Virginia Hopkins at [virginia@rheum.ca](mailto:virginia@rheum.ca) if you need help writing a grant application and would like to be connected with a mentor; or you would like to review a successful CIORA grant proposal (provided by Drs. Michelle Teo and Nelly D. Oelke).

# Tips for community rheumatologists



## › Put aside time

- Meetings
- Hiring staff
- Ongoing finances
- Reviewing documents
- Trouble shooting
- Personnel management
- Presentations/media





# Multiple Choice Questions



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