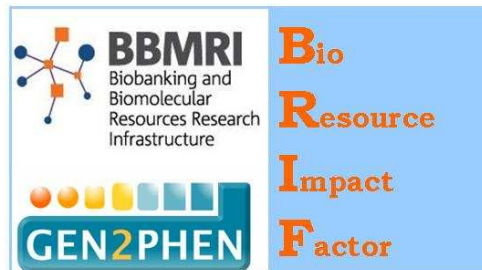




# BRIF Workshop 17-18/01/2011, Toulouse



## BRIF concept – Meeting Objectives

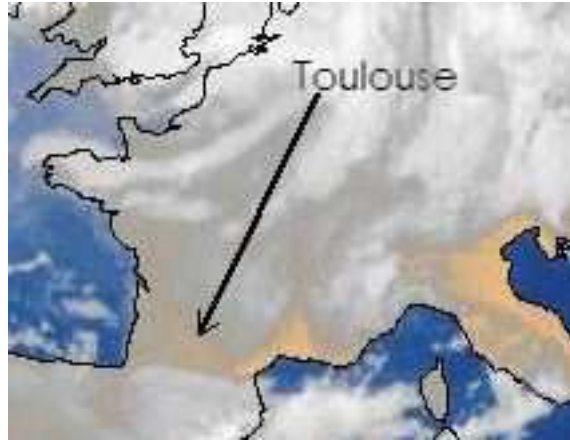
- Anne Cambon-Thomsen-

*Project leader*

Provisional logo



# Toulouse in southern France



# The townhall and opera



# Faculty of Medicine



# Behind the Faculty of Medicine: Botanic garden



# Why creating a BRIF ?

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**Main objective** of Bioresource Impact Factor (BRIF): **Assessing and optimizing the use of bioresources internationally** (especially medium sized)

- **Quantitative parameter** for Bio-Resources use, to document:
  - 1. Quantitative use of a Bio-Resource,
  - 2. Quality and importance of research results involving it
  - 3. Scientific and management efforts of those who set up and made available a valid Bio-Resource, their institution.

Strong **incentives** so that **SHARING** becomes a **GAIN** rather than a **LOSS**

## Diapositive 3

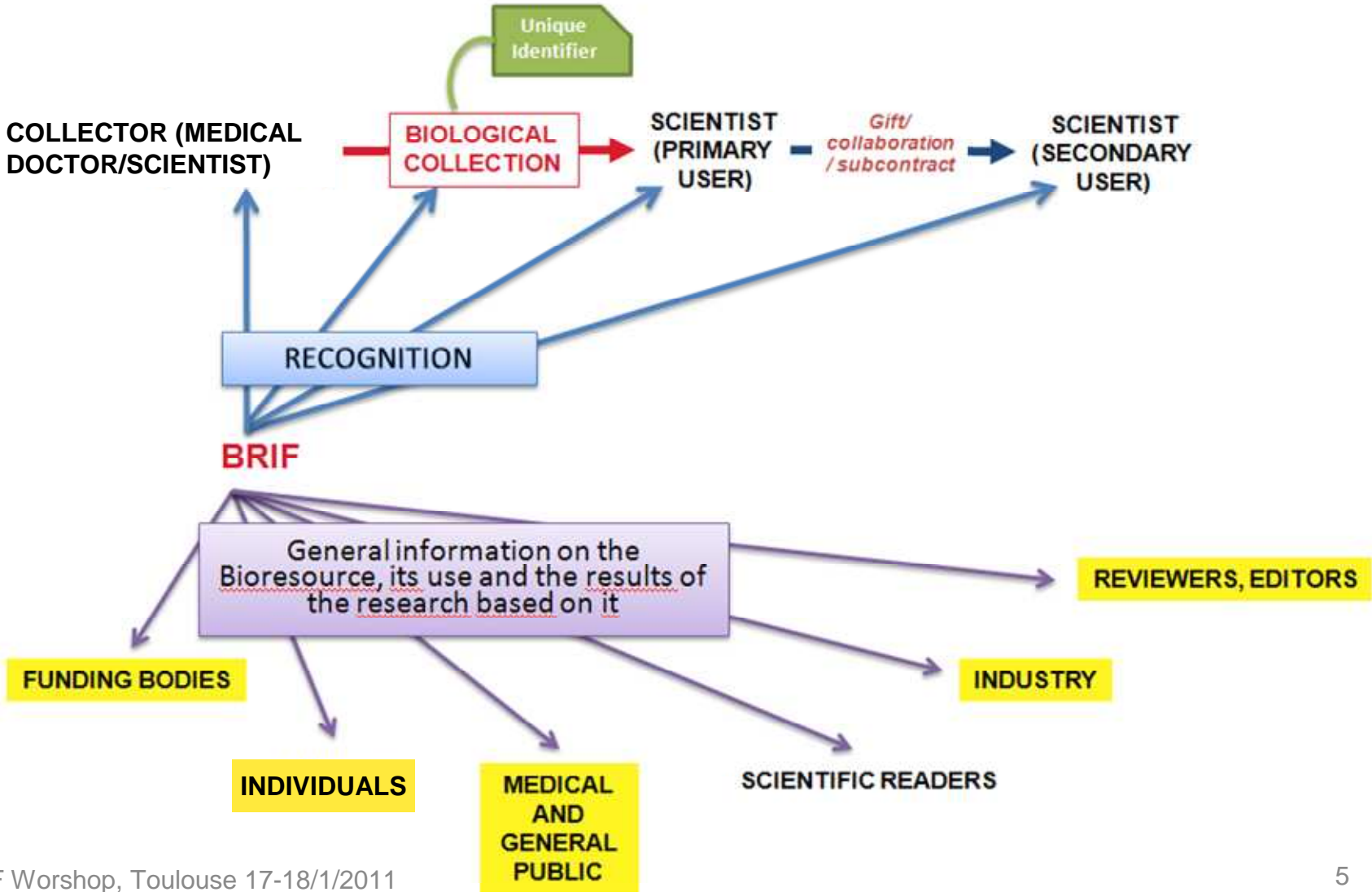
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MSOffice1 ; 13/09/2010

# The references to original papers that started the BRIF discussion

- CAMBON-THOMSEN A. **Assessing the impact of biobanks.** *Nature Genetics*, 2003, 34, (1) : 25-26
- CAMBON-THOMSEN A. **The social and ethical issues of post-genomic human biobanks** *Nature Reviews Genetics*, 2004 5: 866-873
- KAUFFMANN F., CAMBON-THOMSEN A. **Tracing biological collections: between books and clinical trials.** *JAMA*, 2008;299(19): 2316-2318

# BRIF Stakeholders



Nature Precedings : doi:10.1038/npre.2011.5658.1 : Posted 9 Feb 2011

# BRIF in the landscape of data sharing

- Principles for rapid release of genome sequence data from the HGP formulated at a meeting in Bermuda 1996;
- Bermuda meetings (1996, 1997 and 1998)
- 2003 Fort Lauderdale meeting, (1<sup>st</sup> BRIF paper, Nat genet, 2003)
  - rapid prepublication release (resource for scientific community)
  - responsibilities of the resource producers, resource users, and the funding agencies.
- 2008 Amsterdam meeting extended to proteomics
- 2009 Toronto statement on pre-publication data release
- 2010 : Oxford Int Conf on data sharing (+P3G)
- 2011: Sharing research data to improve public health: joint statement of purpose (+ Comment in Lancet, 10/1/11)

# Place of BRIF

- An element among the incentivisation procedures
- A classical feature as impact factor, but a word of caution...
- Need to be global
- Need to be practical over time
- Not an index of quality, but only quality resources will be used, (so indirect indication of quality)
- Will be an aggregated measure of what makes a bioresource to be used



# A network of indicators

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- Web alliance / nanopublication / microattribution:

So a general concept

- BREF: Biospecimen Resource Economic Factor  
*Lisa Miranda*  
*Biobusiness Consulting Inc.*

Possible extension to economic dimension (to be discussed)

Idea : several initiatives that can synergise are being developed; get networked : that is a main aim of this workshop.

# 6 Steps towards the creation of a BRIF:

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1. **Working group** creation/animation ✓
2. Creating a bioresource **unique identifier**, or digital ID
3. Rationalising bioresource **acknowledgement** in papers
4. Describing **access and sharing** policies
5. Identifying the **factors** to take into account when calculating the Impact factor
6. Prototype implementation/**testing**

# A working group in progress

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- Call for participation (email) July 2010:
  - **BBMRI**, Gen2Phen, P3G, PHOEBE, ISBER, HVP, French Biobanks network, ICGC data group ....
- Creation of online discussion group (G2P knowledge center)

<http://www.gen2phen.org/>

Interest Group: BRIF

Documents on BRIF (original publications)

Discussion posts: questions identified above

[» Partners](#)**BRIF - BIO-RESOURCE  
IMPACT FACTOR**

- » [Create Event](#)
- » [Create Post](#)
- » [Create Wiki Page](#)
- » [Create News Contribution](#)
- » [Invite friend](#)
- » [63 members](#)
- » [Manager: Administrator](#)
- » [My membership](#)

[VIEW](#) [BROADCAST](#)

## BRIF - Bio-resource Impact Factor

[» Disclaimer \(important - please click here to read\)](#)

While biobanking is in the increase worldwide, and generates wider scientific and economic activity, there is no standardized way to assess the use of these resources, as one of the ways to promote their sharing. Additionally, it is becoming essential to properly recognize the amount of work it represents for researchers to set up a bioresource, and give them higher credit for their effort to make them accessible.

To address this, our team has introduced the concept of a bioresource Impact factor (BRIF). The idea is to construct a quantitative parameter to describe the use of bioresources, modeled on the publication 'Impact Factor'. Such a BRIF would make it possible to document; 1. the quantitative use of a Bio-Resource, 2. the quality and the importance of research results involving it, and 3. the scientific and management efforts of those who set up and made available a valid bioresource and their institution.

This system could be used much more rationally than informal 'reputation' in the evaluation of bioresources activities over time. Also, if such a factor was taken into account in assessing researchers/contributors' professional results, it would increase the quality and sharing of bioresources.

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VIEW BROADCAST

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92 members  
14/1/2011

# Disclaimer: Conditions of participation to the Interest Group's webpage and Disclaimer Notice

























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- All information and material posted on this Interest Group's webpage are to be **used exclusively for the purpose of the BRIF**. Any other use - including commercial, promotion, publicity, advertising - of all or part of any document, information and material found on this webpage is expressly prohibited.
- All members of this interest group are strictly required to **quote the reference of the sources they use** in any of their comments on any of the posts of this webpage, as well as in other documents they publish on the page.
- For any citation of documents from this webpage, please **refer to the Interest Group's webpage BRIF - Bio-resource Impact Factor:**  
<http://www.gen2phen.org/groups/brif-bio-resource-impact-factor>, to the author of the comment/document if a specific one is used and to the original BRIF description reference (Cambon-Thomsen A. Assessing the impact of biobanks. Nat Genet 2003, 34, (1): 25-26)
- Authors/Participants of the Group are responsible of their comments that do not represent necessarily the views of the BRIF interest group responsible, the GEN2PHEN consortium or the EU Commission.

# Latest Posts 14/1/2011

1

## Comments

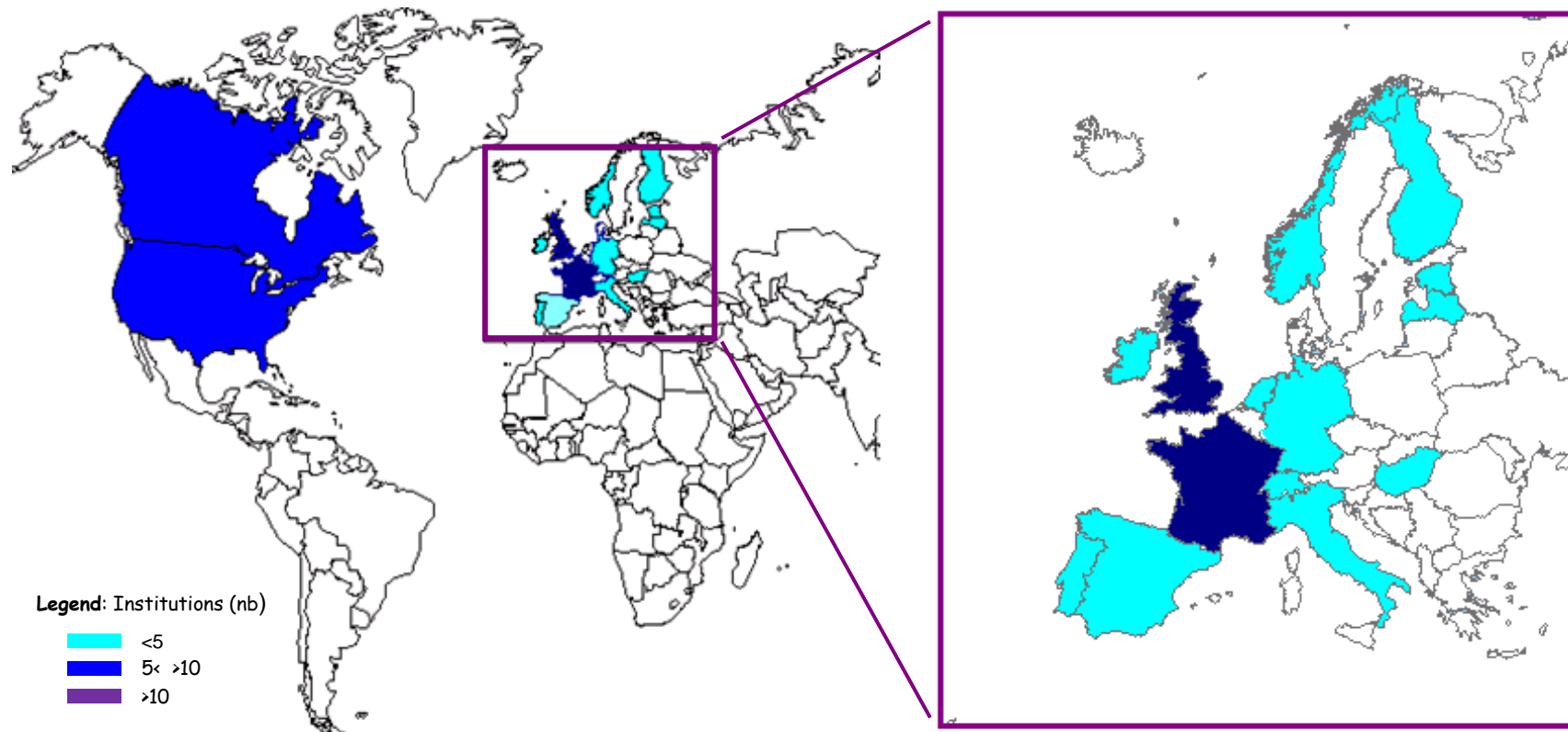
			Posted by	Last updated
 <b>Standardizing bioresource acknowledgement in papers</b> Post    Restricted - only group members can view  Unbookmark	8	Gabrielle Bertier	Gabrielle Bertier	29th Jul 2010 3rd Aug 2010
 <b>Other considerations / proposals on the BRIF?</b> Post    Restricted - only group members can view  Bookmark	None	Laurence Mabile	Administrator	7th Sep 2010 7th Sep 2010
 <b>What type of digital ID for bioresources ?</b> Post    Restricted - only group members can view  Bookmark	6	Gabrielle Bertier	Gabrielle Bertier	29th Jul 2010 3rd Aug 2010
 <b>Bioresources data access and sharing policies: what's the best practice ?</b> Post    Restricted - only group members can view  Bookmark	3	Gabrielle Bertier	Gabrielle Bertier	29th Jul 2010 3rd Aug 2010
 <b>Identifying the factors to take into account when calculating the Impact factor</b> Post    Restricted - only group members can view  Bookmark	1	Gabrielle Bertier	Gabrielle Bertier	29th Jul 2010 3rd Aug 2010
 <b>SWOT analysis of the project</b> Post    Restricted - only group members can view  Bookmark	1	Gabrielle Bertier	Gabrielle Bertier	29th Jul 2010 3rd Aug 2010
 <b>Do we need to change the name of the BRIF ?</b> Post    Restricted - only group members can view  Bookmark	None	Gabrielle Bertier	Gabrielle Bertier	29th Jul 2010 3rd Aug 2010
 <b>Documents and publications on the BRIF</b> Post    Restricted - only group members can view  Bookmark	None	Gabrielle Bertier	Gabrielle Bertier	29th Jul 2010 30th Jul 2010

## BRIF Newsletters

2

## BRIF participants origin:<sup>2</sup>

End of July 2010: first call for participation to BRIF  
12/2010 82 members (Jan 14 2011: 92 members)  
19 countries, 63 institutions  
(49/Europe, 10/America, 2/Asia, 2/Australia)





# Steps done/ to be done

- Launching the group
- First Newsletter circulated
- On line discussion started
- Nature Precedings open
  - Discussion
  - Operationalisation
- First priority: agree on a ID format/institution of attribution

# Skills: Who is missing ?

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## Registered profiles:

- Biobank partners
- Journal Editors
- Computational biologists
- Computer scientists
- Researchers/users/creators of Biobanks
- Jurists
- WHO members
- Ethicists

## We still need:

- Experts in impact factors
- Bibliometricists
- Civil society representatives (patients associations)
- Funding Agencies
- 'More Biobankers' !
- .....

# Ongoing debates

## A: What type of digital ID for bioresources ?

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- Need to **standardize** the **identification** of the bioresources.
  - **Safe** and **unique** ID
  - **meaningful** DID (eg. ISBN, evolution biobank) / **randomised number**?
- Bioresources as '**digital objects**' and utilize the existing DOI system to identify and cite them
- Who would **attribute** this DID  
**WHO** (clinical trials registration) ? **Other**?

# B: Rationalise bioresource acknowledgement in papers

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- **Rationalise** bioresource **citation mode** stated in supply agreement
  - Original biobankers: Coauthors
  - Marker paper: Acknowledgement/ References section
  - Sources of samples/data : Material and Method section
  - Institutions requirements to give access
  - Editors requirements to publish paper
- Authorship/**Contributorship**

# C: Bioresources data access and sharing policies: what are the best practices ?

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## Data sharing plan

- **Defined early** in the bioresource project (presented as part of grant applications)
- Will impact the BRIF calculation

## Defining **accessibility** of the biobank through indicators:

- OS = open source
- LA = limited access
- IS = institution specific

# Questions not yet / little debated

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- Name BRIF: *impact factor/framework (+ BRIF already protected by others)*
- Factors to take into account when calculating the BRIF:
  - *Basic characteristics of the collection*
  - *impact factor of journal (cascade index)*
  - *activity index of the resource*
  - *quantitative use of the biobank*
  - *data access*
  - *quality and importance of research results with resource*

# Objectives of the workshop

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- Know each other (some)
- Face to face discussion
- Newsletter (monthly) to all interested people
- Definition of different roles for participants
- Decision on ID format/attribution
- Define roles/sub-groups
- Publication after the workshop
- Plan work and calendar

Thanks for being here.  
Welcome and have a good work!



# Toulouse and the Garonne river

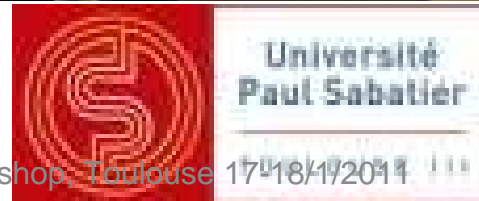
My home Inserm U 1027,



Faculty of  
Medicine

# Thanks for your attention!

## Thanks to my co-workers and supporting organisations and projects



Thank you for your attention !

<http://www.gen2phen.org>

Interest Group: BRIF

# Participants Institutions

## Europe

### **INSERM (2), FR**

Génopole, FR

CIRAD, FR

Institut National du Cancer – INCa, Fr

International Prevention Research Institute, Fr

Institut Pasteur, Fr

CRB de l'Institut Claudius Regaud, Fr

INRA CIRM-BP manager, FR

CHU Dijon (CRB), Fr

CNRS, Université de Strasbourg, Fr

### **University of Leicester (2), UK**

University of Manchester, UK

University College London, UK

European bioinformatics institute, UK

### **National Institute for Cancer Research (2), It**

Scientific Institute E.Medea, It

Institut Superiore di Sanita, It

University of Groningen, NL

Vanderbilt University Medical Center, NI

University of Amsterdam, NL

### **University of Pécs (2), Hg**

University of Marburg, Germany

Instituto de Salud Carlos III, Spain

Latvian Biomedical Research and Study Center, Lv

Integrated biobank of Luxemburg, Lx

Institute for molecular medicine, Fn

Hospital de Santo Espirito de Angra do Heroismo, Pg

## America

Institute of Child Health, US

Phoenix Children's hospital, US

University of Washington school of Medicine, US

Roswell Park Cancer Institute, US

University of Toronto, Can

### **Mc Gill University (3), Can**

## Asia

Korea Centers for Disease Control and Prevention, Kr

National Biobank of Korea, Kr

NUH-NUS Tissue Repository , Sing

## Australia

University of Sidney Cancer Databank, Aus