



Managing International Collaborations

Navigation issues, the role of multipliers and Intellectual Property

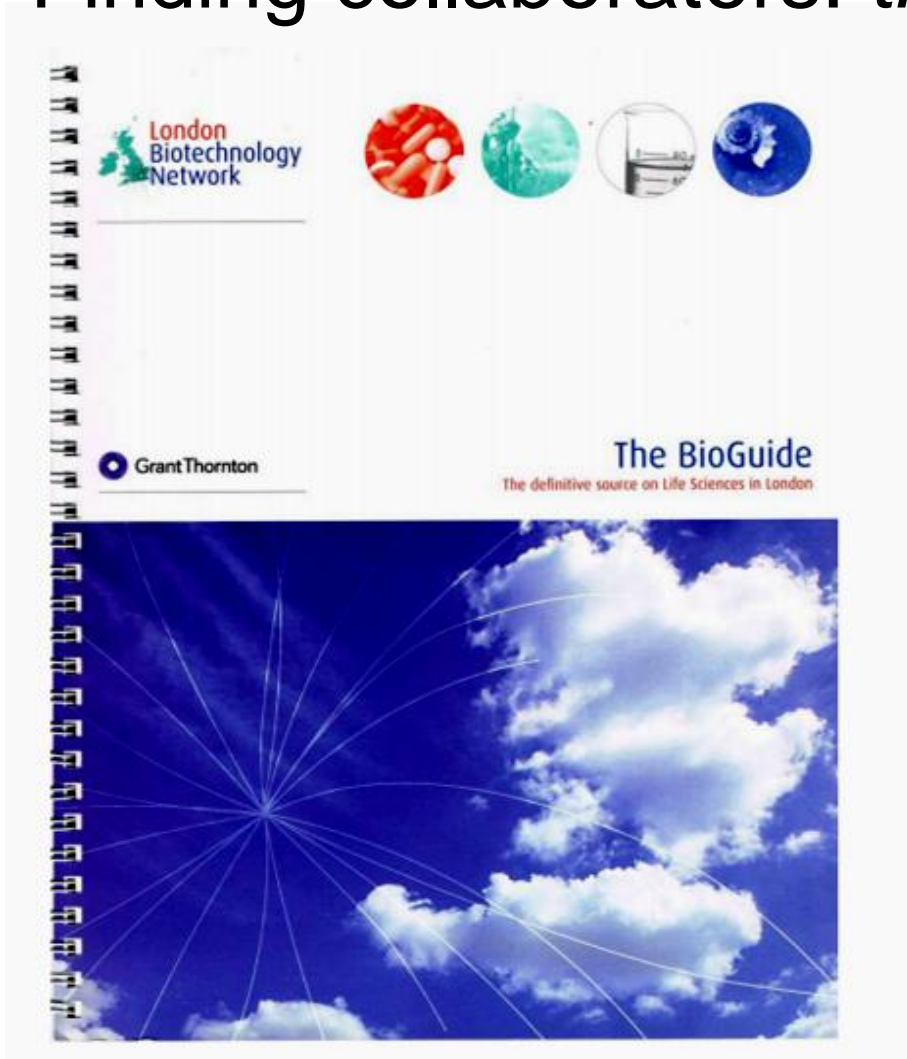
Reynaldo L. Garcia, PhD MPhil (*cantab*)

University of the Philippines





Finding collaborators: *the navigation issue*



London is difficult to navigate, with no less than 28 higher education institutions, 55 hospitals and trusts, and 5 world-renowned medical schools.

In 2007, BIOGUIDE LONDON was created.

"It was the first **coordinated effort to help existing players and new entrants** to the London life science scene, **find free relevant information and contacts they need.**"



Finding collaborators: *the navigation issue*



Welcome to London Life Science

Directory

Navigate London's globally competitive, highly concentrated and complex research landscape

Facilities

Discover some of the world's most advanced research facilities and services which are available to hire or use in London

People

Bring the best life science minds together and encourage collaboration, whilst competitively driving the sector forward



LONDON MEDICINE
www.londonmedicine.ac.uk



Working over the next 20 years, MedCity will position London and the greater south east of England as a world leading, interconnected region for life science research, development, manufacturing and commercialisation.

London Life Science is working with MedCity to deliver this vision.



Finding collaborators: *the navigation issue*



partnering and licensing opportunities
available facilities
any other life science enquiry.

sources of grants and finance
scientific experts



Finding collaborators: *the navigation issue*

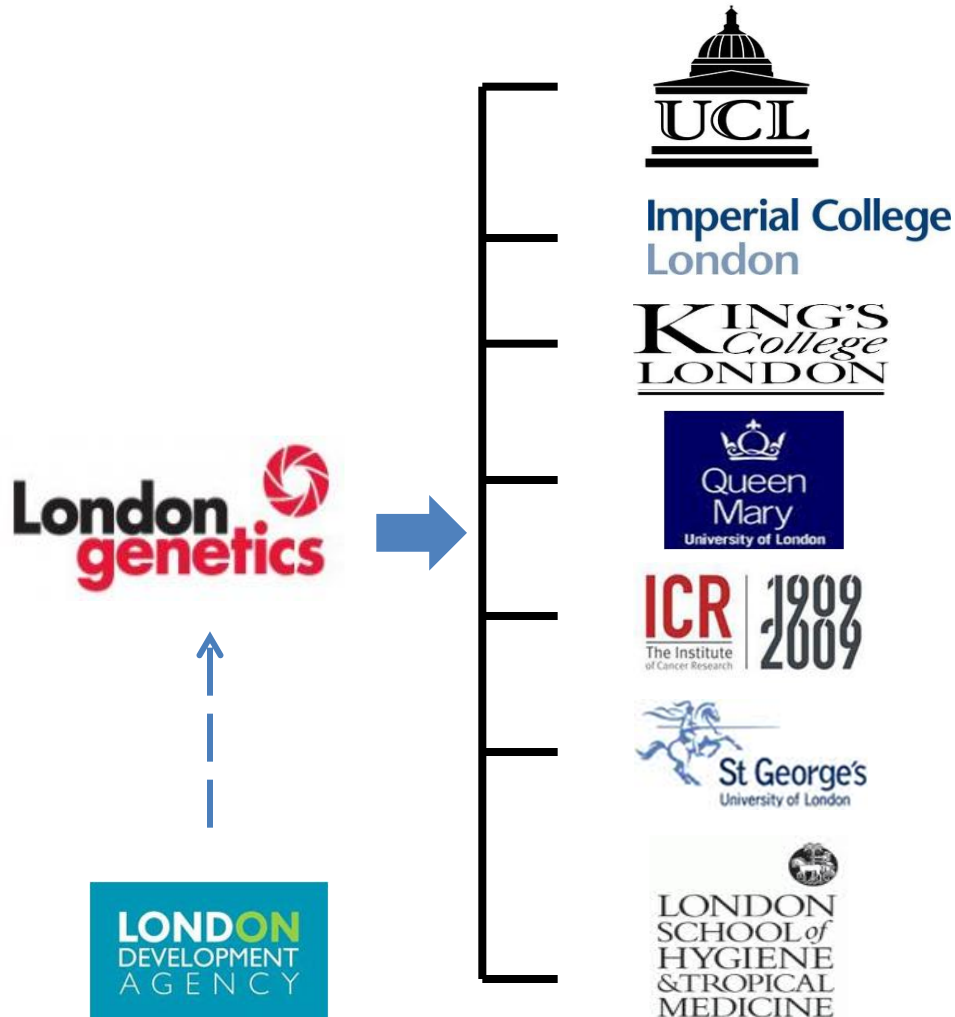
PUBLIC-PRIVATE PARTNERSHIPS (PPP)

The screenshot shows the 'Business Collaboration' portal on the University of Copenhagen website. The page features a navigation menu at the top with links for 'Map', 'Phone Book', 'KUnet', and 'Danish'. Below the navigation is a search bar and a main header with the university's logo and the text 'Business Collaboration Portal for business collaboration'. The main content area is divided into a left sidebar with a 'Business Collaboration' menu, a central text area with a photo of three people in a meeting, and a right sidebar with contact information for Annette Fløkke Lorenzen, Manager of Research & Innovation. The central text area includes a link to the English version of the page and a section titled 'Research collaboration' which describes the university's research strengths and consultancy services. The right sidebar also includes a section for 'Contact a Faculty' and a link to a guide.



Focused offering, easy navigation

Case Study: London Genetics Ltd



- combining resources and expertise (filling the gap, if necessary) to intercept deals with industry
- provides leading-edge research collaboration
- focused offering (i.e, biomedical expertise)
- potential partners **only have to deal with one entity** (easy navigation)
- promotes London as a hotbed for biomedical innovation (e.g., to rival Boston)



The role of multipliers

KNOWLEDGE BROKERING, KNOWLEDGE NETWORKING



representing Canadian universities and companies



meetings arranged collaborations follow



Networking events: *Creating opportunities*

The screenshot shows the website for the London BioScience Innovation Centre. At the top left is the LBIC logo. Below it is a navigation menu with links: Home, About LBIC, Facilities, Clients, News & Events, Contact, Business Support Network, Business Advantage, and Client Area. A breadcrumb trail reads: Home → News & Events → BioWednesday. The main content area features a large photograph of a crowded networking event. Below the photo, there are logos for 'one nucleus' and 'RVC Royal Veterinary College University of London'. Text on the page reads: 'The next One Nucleus BioWednesday hosted by LBIC and the RVC will be on Wednesday 8th July 2015. Further details will be released closer to the date.' On the right side, there is a search bar, a 'User log in' section, and a 'News' section with a featured article titled 'Crucell Vaccine Institute's London group up and running' and another article titled 'Autumn Newsletter Domainex collaborate on treatment of antibiotic-resistant bacterial infections'.



Case Study: UKTI, TSB and KTNs



Technology Strategy Board
Driving Innovation

The TSB's role is to stimulate technology-enabled innovation **in the areas which offer the greatest scope for boosting UK growth and productivity.** They promote, support and invest in technology research, development and commercialisation. They **spread knowledge, bringing people together to solve problems** or make new advances

A KTN is a national network in a specific field of technology or business application, which **brings together people from businesses, universities, research, finance and technology organisations** in order to stimulate innovation through knowledge transfer and sharing of ideas



IP issues in collaborative research



www.themoneyalert.com

With an increasingly collaborative research environment, a Technology Transfer Office **must be well-versed on issues of joint IP ownership.**

This includes a **clear delineation of background and foreground IPR.**



www.chinageopark.com



blogs.adobe.com



www.dimensionext.co.uk



IP issues in collaborative research



www.themoneyalert.com

In the case of collaborative research, this should extend to knowing **how IP ownership should be split**

i.e., in the case of multiple IP generated, **which ones will be owned by whom** and if the IP will be shared, **what should be the % ownership.**

THIS PRESUPPOSES DEEP TECHNICAL KNOWLEDGE OF THE TECHNOLOGY IN QUESTION.



Collaborative efforts between institutions

Case study:
University of the Philippines



Shared IP

SUBJECT TO THE PROVISIONS OF
THE TECHNOLOGY TRANSFER
ACT OF 2009

AND ABSENT ANY STIPULATION
TO THE CONTRARY, IF THE
INVENTION is the result of
collaborative efforts of the University,
an outside entity and the creator/s....

the PATENT AND OTHER RELATED
RIGHTS OVER SAID INVENTION
shall belong in joint ownership
among the University, the
INVENTOR/s and the outside entity”



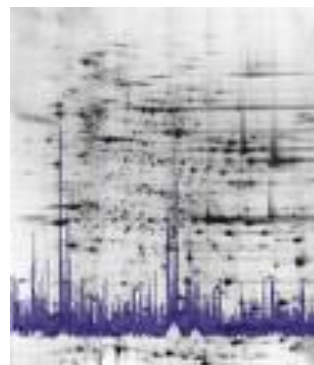
Minding the skills gap

INCENTIVE TO COLLABORATE

Case Study: Skills Gap in Philippine Drug Discovery Efforts



Skills gap:
MEDICINAL CHEM



Skills gap:
PROTEOMICS/
METABOLOMICS



Skills gap:
ADME-Tox



Skills gap:
BIOPROCESSING



Thanks for listening