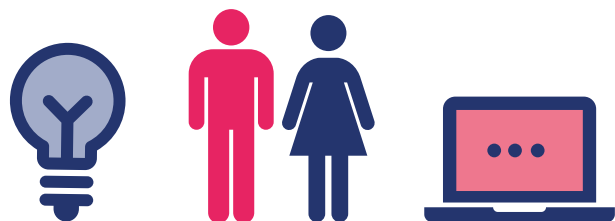


JOIN THE LAB FOR OPEN INNOVATION IN SCIENCE (LOIS)



USING GLOBAL KNOWLEDGE – MAKING IT AVAILABLE TO THE WORLD

The Lab for Open Innovation in Science (LOIS) is the first education programme in which scientists can learn how to apply Open Innovation methods and principles along the entire process of generating and disseminating new scientific knowledge.

Through LOIS, the Ludwig Boltzmann Gesellschaft offers a professional development programme for Open Innovation in Science (OIS).



PROGRAMME

The first LOIS is specifically designed for 20 eligible early- to mid-career scientists within the field of health sciences and will be held in blocked modules from spring 2016 to spring 2017 in Vienna, Austria.

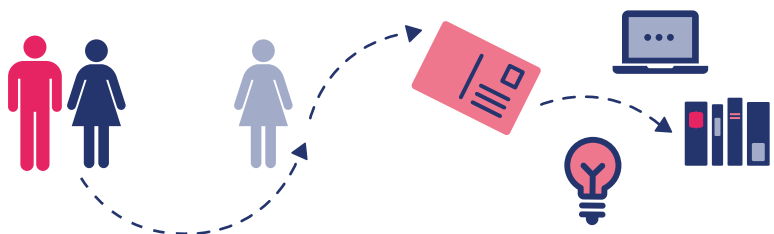
- ▶ EXCLUSIVE PROFESSIONAL DEVELOPMENT (17.5 DAYS WITHIN ONE YEAR) FOR SCIENTISTS, IN-CLASS WORKSHOPS, DISCUSSIONS, EXPERIMENTATION AND PRACTICAL IMPLEMENTATION.
- ▶ FACULTY BODY THAT CONSISTS OF LEADING OPEN INNOVATION EXPERTS FROM INTERNATIONAL UNIVERSITIES, RESEARCH INSTITUTIONS AND COMPANIES SHARING THEIR KNOWLEDGE.
- ▶ HANDS-ON LEARNING – INTERACTION AND SMALL GROUPS, ENSURING A HIGH DEGREE OF LEARNING EXCHANGE.
- ▶ REAL-WORLD CASES – STARTING POINTS ARE PROVIDED BY PARTICIPANTS, PROJECT PARTNERS, AND THE CROWDSOURCING PROJECT “TELL US!”
- ▶ GLOBALLY NETWORKED INITIATIVE – LOIS PROVIDES ACCESS TO INTERNATIONAL GOOD PRACTICES AND NETWORKS IN THE FIELD OF OPEN INNOVATION.

WHAT YOU WILL GAIN

LOIS addresses researchers and scientists from Universities, Universities of Applied Sciences and other (non-profit) Research Organisations.

By completion of LOIS, participants will have:

- ▶ FAMILIARITY WITH STATE-OF-THE-ART CONCEPTS RELEVANT FOR OPEN INNOVATION IN SCIENCE, AND A COMPREHENSIVE UNDERSTANDING OF HOW DIFFERENT PRACTICES OF OPENNESS AND COLLABORATION COULD IMPACT RESEARCH
- ▶ COMPETENCES RELATED TO IDENTIFYING, INTEGRATING AND APPROPRIATING, POSSIBLY EVEN TO DATE UNKNOWN, SOURCES OF KNOWLEDGE INTO THEIR DAY-TO-DAY WORK
- ▶ SKILLS TO PROVIDE THEIR ORGANISATIONS WITH SPECIAL KNOWLEDGE FROM A VARIETY OF EXTERNAL SOURCES
- ▶ SKILLS TO MAKE USE OF INNOVATIVE KNOWLEDGE FROM THEIR ORGANISATIONS TO BENEFIT OTHERS IN A WIN-WIN SITUATION – FOR SOCIETY IN GENERAL, FOR OTHER RESEARCH INSTITUTIONS OR BUSINESSES



BECOMING PART OF LOIS

To apply for the first LOIS, you must hold a doctoral degree, have a minimum of three years' relevant experience as a researcher in the field of health sciences, and proficiency in written and spoken English.

LETTER OF MOTIVATION

In addition to a CV, a letter of motivation is required (for details please see www.openinnovationinscience.at).

CURRICULUM

The LOIS curriculum comprises 13 individual training modules within a 12-month period. It is complemented by a kick-off and a closing module.

The individual modules are grouped into basic and specialisation modules with regard to content, into six major blocks.

▼ BASIC MODULES

The basic modules for Open Innovation in Science provide participants with an overview of state-of-the-art Open Innovation (OI) principles, methods, determinants and effects in the context of corporate innovation initiatives; classify them vis-à-vis existing open science concepts such as open access, open data or open evaluation; and facilitate the development of a more comprehensive framework for applying Open Innovation along the entire process of scientific discovery and exploitation.

KICK OFF & MODULE 1 15-16 April 2016

OPEN SCIENCE WITHIN OPEN INNOVATION IN SCIENCE

Introduction to the concepts of open science, open data and open access; integration of open science in research practices; new modes of global scientific collaboration and open evaluation/reviewing.

MODULE 2 5 May 2016

CREATING AND CAPTURING VALUE IN SCIENCE AND BUSINESS

Science thinking and innovation thinking along the process of scientific discovery and exploitation. The role of openness, external knowledge sourcing and collaboration in science.

MODULE 3 6-7 May 2016

OPEN INNOVATION BASICS

OI basics and principles, case studies of OI; structural, cultural and strategic arrangements in organising for OI; basics of intellectual property, consequences of OI.

MODULE 4 8 May 2016

MAPPING OPEN INNOVATION IN SCIENCE

Mapping options for applying OI principles and methods along the entire scientific discovery and exploitation process, classifying them and developing an Open Innovation in Science funnel.

▼ **SPECIALISATION MODULES**

The specialisation modules in OIS enable participants to develop in-depth knowledge about specific Open Innovation in Science methods, antecedents and consequences along the entire process of scientific discovery and exploitation.

MODULE 5

17 June 2016

**CROWD SCIENCE AND
CROWD FUNDING**

Characteristics of crowd science projects, benefits and challenges of crowd science, case examples of applying crowdsourcing in health sciences; crowdfunding sciences.

MODULE 6

18 June 2016

USER-DRIVEN SCIENCE

Opportunities, challenges and contingency factors related to involving users in sciences; case studies and good-practice examples of users and user communities driving scientific discovery.

MODULE 7

19 June 2016

COLLABORATIVE SCIENCE

Basic principles related to collaborative science; establishing structures in collaborative science projects – opportunities, challenges and risks; managing problems and conflicts in collaborative science.

MODULE 8

30 September 2016

**SCIENCE BASED ENTREPRENEUR-
SHIP AND INNOVATION**

Basic principles related to translating science into innovation; the role of openness and external partnering in science-based entrepreneurship and innovation and good-practice examples.

MODULE 9

1 October 2016

**EXTERNAL PARTNERING FOR
COMMERCIALIZING SCIENCE**

Identification and selection of external partners for commercializing science; managing the differences in science vs. business related to objectives, pace, language, etc., in collaborating with external partners (companies, VCs).

MODULE 10

2 October 2016

**TECHNOLOGICAL COMPETENCE
LEVERAGING**

Translating science-based technological competences and resources into value propositions for one or more application areas (e.g. markets), developing implementation strategies.

MODULE 11
21-22 October 2016

**ECOSYSTEMS FOR OPEN
INNOVATION IN SCIENCE**

Ecosystems that facilitate OIS on the network level, the university/department/research unit level; relevant characteristics of open (research) organisations and entrepreneurial universities.

MODULE 12
18 November 2016

**INDIVIDUAL CAPACITIES FOR
OPENNESS AND SHARING
IN SCIENCE**

Training the ability to make connections and think outside of one's own discipline; experimenting with understanding and presenting work from other disciplines.

MODULE 13
19 November 2016

**DISSEMINATING AND
COMMUNICATING SCIENCE**

Using Open Innovation methods and tools for communicating and disseminating science; specific challenges involved in communicating and disseminating within the field of health sciences.

CLOSING (interactive Workshop)
17 February 2017

**INTEGRATING OPEN PRACTICES
IN SCIENCE**

How Open Innovation principles and methods actually support science, what makes them sustainable, and which practices it takes to sustainably incorporate OI methods and principles.

For detailed information on the modules please visit:

www.openinnovationinscience.at/theprogramme.html

LOIS participants will have the opportunity to develop and run actual Open Innovation in Science projects over the term of LOIS. The lab project development and implementation is accompanied by three lab project meetings (scheduled together with regular LOIS modules) and facilitated by online and/or personal supervision and coaching sessions with Open Innovation experts.

TEACHING METHODS

The LOIS modules apply an interactive and problem-based teaching approach, and combine a mix of mini-lectures, ad-hoc group work based on exercises, good-practice examples and case study analysis, in-class workshops and discussions, and guest speakers.

Problem-based learning is furthermore supported by implementing actual lab projects. Engaging in lab projects provides participants with the possibility to directly translate their learning into practice, and to experiment with Open Innovation in Science in a supervised environment.

APPLY NOW!

LAB FOR OPEN INNOVATION IN SCIENCE (LOIS)

LOIS is the world's first education programme in which scientists

- ▶ CAN LEARN HOW TO APPLY OPEN INNOVATION METHODS AND PRINCIPLES WHILE NAVIGATING THE ENTIRE RESEARCH AND DISSEMINATION PROCESS
- ▶ CAN LEARN HOW TO DESIGN AND IMPLEMENT CONCRETE OPEN INNOVATION PROJECTS IN SCIENCE

The first LOIS is designed for 20 selected researchers and scientists (post-doc level or higher) in the field of health sciences.

PROGRAMME START: 15 April 2016

DURATION: 18 days within a 12-month period

PLACE: Vienna

LANGUAGE: English

COSTS: EUR 1,500

CONTACT: Ludwig Boltzmann Gesellschaft

Dr. Lucia Malfent: lucia.malfent@lbg.ac.at

APPLICATION: www.openinnovationinscience.at

APPLICATION DEADLINE: 22 October 2015

