NOVA
DOCTORAL SCHOOL

Opening Day

Presentation of Nova Doctoral School
why, what for and how

João Crespo

PROGRAMME

17h30   Opening of NOVA Doctoral School

Presentation of NOVA Doctoral School
João Crespo | Director of NOVA Doctoral School

Imperial's Graduate School: past, present and future
Elaine Walsh | Head of Postgraduate Development at Imperial College London

Portuguese Language: a scientific and societal challenge
João Costa | Professor at FCSH/NOVA

Doctoral Education at NOVA: a perspective from a PhD student
Iris Batalha | PhD student

Life after PhD Studies
Miguel Xavier | Professor at FCM/NOVA

Shakespeare, Confucius and the Big Mac: How Knowledge brings it all together
Peter Villax | Hovione VP Pharma Business Unit and Innovation

Closing remarks
António Bensabat Rendas | Rector at NOVA

19h   *Porto de Honra*

Why and what for

"Tomorrow is not what it used to be" – Paul Valery

encourage curiosity

encourage risk taking

non-linear thinking

Activities of the Doctoral School

Transferable Skills Training Courses for PhD Students

Supervisors Training Programme

Special Events

- Thematic Workshops - R&D and Innovation

- Entrepreneurship activities (Coordination: Paulo Pinho – Nova SBE, with Joana Mendonça)

- Conferences

Governance and Quality Assurance

- Graduate School Committee

    (Ana Felix, Cláudio Soares, Fernando Bação, João Costa, João Crespo, José Alferes, Luís Lages, Margarida Lima Rego, Miguel Viveiros, Patricia Rosado Pinto, Paula Lobato de Faria, with the technical support of Catarina Pinto, Ana Falcão and Elsa Caetano)

- Training Courses Approval & Review

- Code of Practice for Supervisors & Students

- With the assistance of a Committee of PhD Students

    (André Oliveira, Carolina Santos, Fábio Morais e Silva, Guilherme Victorino, Íris Batalha, Joana Lamego, Joaquim Alves da Silva, José Araújo, Marcelo Zenkner, Nuno Lima, Sérgio Mascarenhas)

Transferable Skills Training

"Chance favours the prepared minds" – Louis Pasteur

Transferable Skills Training

- Voluntary
- Free of charge
- Registration is required (with accordance of the supervisor(s))
- In English (courses will be also organized in Portuguese when necessary)
- Students are evaluated
- ECTS are accounted for, in the PhD programme or in the Supplement to the Diploma

- Classes integrate students with diverse scientific background
- Classes may integrate participants from enterprises
- Classes take place in the various *campi* of NOVA

Transferable Skills Training

- Research Skills Development Course, in collaboration with Imperial College London (for 1st year students)

- Information Literacy

- Science Communication

- Research Ethics

- Intellectual Property

- Entrepreneurship and Innovation

Research Skills Development Course

1.5 ECTS | 3 days

Aim:

To improve both personal and research effectiveness of early stage PhD researchers

Topics:

· Research Skills

· Self-Awareness and Relationships

· Succeeding in Research

Coordination: Patricia Rosado Pinto - FCM; NOVA Doctoral School

Teaching Staff: Alexandra Dias Santos (external)

Elsa Caetano - NOVA Doctoral School

Guilherme Victorino – ISEGI

Joana Marques - NOVA Doctoral School

João V. Cordeiro – ENSP

Roberto Henriques - ISEGI

Information Literacy Course

1 ECTS | 2 + 1/2 days

Information Literacy aims at providing solutions to problems, errors and omissions that have been identified around the world in web information retrieval.

This Course aims at providing students with such competencies, with a special focus on the needs of PhD students, by raising their level of awareness and achievement in information use.

Topics

1. Defining the object of information queries. Managing search tools and strategies

   FCSH - Nita Camotim (nita.camotim@fcsh.unl.pt)

   Nova SBE - Sean Story (sstory@novasbe.pt)

2. Evaluating information sources

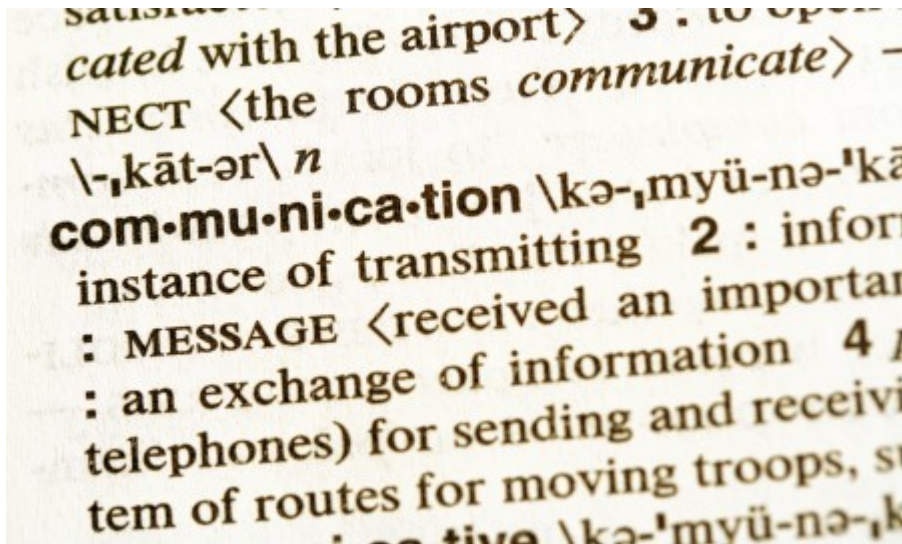   ENSP - Isabel Andrade (isabel.andrade@ensp.unl.pt)

   FCM - Amália Marques (amalia.marques@fcm.unl.pt)

3. Plagiarism, citation and referencing

   FCT - Ana Roxo (airr@fct.unl.pt)

Science Communication Course

1 ECTS | 3 days

Writing to peers

Addressing an audience

Interacting with the media

Outreaching

Coordination: Ana M. Sanchez, ITQB | António Granado, FCSH

Research Ethics

"*Take the initiative. Go to work, and above all co-operate and don't hold back on one another or try to gain at the expense of another. Any success in such lopsidedness will be increasingly short-lived. These are the synergetic rules that evolution is employing and trying to make clear to us. They are not man-made laws.* **They are the infinitely accommodative laws of the intellectual integrity governing universe**"

Buckminster Fuller (1968)
Operating Manual for Spaceship Earth
New York: E.P. Dutton & Co

Research Ethics

1 ECTS | 2 days

Topics

- Fundamentals of Ethics and Bioethics

- The History of Research Ethics

- Scientific Misconduct

- Conflicts of Interest and Publishing Biases

- Ethical Planning and Conduction of a Research Project

Academic staff (ENSP)

Paula Lobato de Faria and João V. Cordeiro

Intellectual Property

1 ECTS | 2 days

Overview of the main principles and legal rules of IP Law

Intellectual Property

Main topics:

- Generating and protecting intellectual works

- Protection of academic/scientific works/studies by intellectual property rights

- Ownership of intellectual property rights

- Rights resulting from intellectual property, infringement of intellectual property rights (with particular emphasis on patent infringement and plagiarism) and free use of intellectual property rights

Entrepreneurship and Innovation

2 ECTS | 3 days

"Innovation is an idea, technology, product or service that

<u>works</u> in the marketplace.

It is used by entrepreneurs to create value"

In this highly practical 3-day course, you will learn

how to create a start-up and how to bring

successfully your ideas to the marketplace!

Coordination: Luis Filipe Lages (Nova SBE) and Fernanda Lussá (FCT)

What will you learn in this course?

Identifying the Opportunity

↓

Determining the Entrepreneur's
capabilities and interests

↓

Evaluating the opportunity

↓

Deciding to act on the opportunity
or look elsewhere

↓

Writing a summary of the concept

↓

Testing the summary and the
concept with potential customers
and investors

Source: Dorf & Byers 2008

HOW TO BUILD A START-UP

1. PROBLEM: Learn how to build a story:
   emphasize the market problem,
   i.e. the customer and their pain.

2. MARKET: Clearly explain the product solution,
   i.e. why the customer cares about your product. Name a few
   competitors and tell how you are different and better.

3. TEAM: Present the competencies of the team.
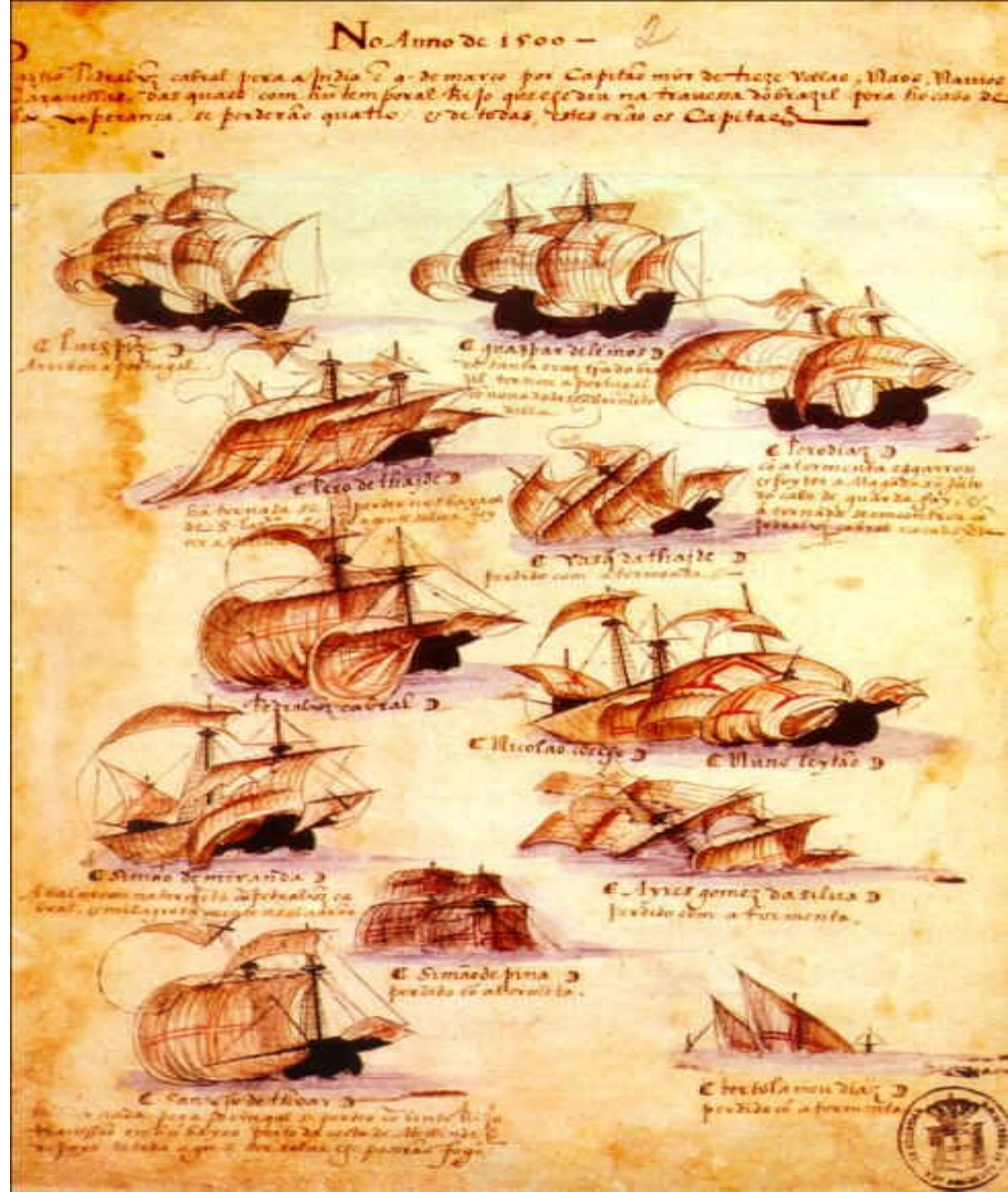   Tell about the passion and skills of the team.

The vision for the Entrepreneurship and Innovation 3-day course is:

"Learn how to bring any idea, technology, patent, product or service to the market and risk to succeed!"

"A ship is safe in the harbor, but that is not what ships are made for."

A Successful Enterprise!

The discovery of Brazil by Pedro Álvares Cabral in 1500