









PAUL JANSSEN FUTURE LAB / LEIDEN

Boost your career

Creating future leaders in biomedical development

Paul Janssen Futurelab is a novel international learning initiative. Our online and on-campus course targets post-graduate entrepreneurial biomedical and pharmaceutical professionals with working experience in academia, start-ups, industry or regulatory authorities.

www.pauljanssenfuturelab.eu

★★★★☆

Average rating of our courses

Intellectual Property

5 week online course & online exam

Obtaining a patent is a crucial step to safeguard the intellectual property of a novel biomedical invention and to raise funding for its development. In this five-week learning-by-doing course you will learn the pros and cons of patent protection and how to protect your biomedical invention in a timely and optimally manner.

In addition, you will learn the interplay between patent law and market exclusivity for medicinal products granted by regulatory agencies such as the FDA and EMA.

Starting dates in 2023
06 March 2023 and 30 October 2023

5 things you will take away from this course

1. Search and analyze patents in public databases, including their prosecution history and legal status
2. Identify different patenting routes, prepare a budget with cost estimates, and develop a cost-effective patenting strategy
3. Understand the principles of patent enforcement procedures
4. Understand the principles behind patent valorization via licensing
5. Understand the interplay between patent law and market exclusivity for medicinal products granted by regulatory agencies such as the FDA and EMA

With contributions from







And many more

Full program

Week 1 - Patents for medical inventions

A brief introduction to all types of intellectual property rights
Interviews with **Bart Swinkels** (NLO), **Onno van de Stolpe** (Former CEO Galapagos)

Topics

- Patenting vs Publishing
- Patent claims in medical life sciences
- Patenting of DNA sequences and antibodies : differences between the US and Europe
- Reading a patent: understanding all sections in a patent document

Practical cases

- The VIB case
- Filgotinib (Galapagos): differences between Europe and the US
- The Mayne vs. MSD case

Introductory videocall

Week 2 - Obtaining a patent throughout the world

Overview of the national, regional and international patenting routes
Interviews with **Aliki Nichogiannopoulou** (European Patent Office), **Onno van de Stolpe** (Former CEO Galapagos)
Working with the Paul Janssen Futurelab **Patent Portfolio Calculator**

Topics

- Working with patent databases: introduction to Espacenet
- Priority date vs. filing date
- Comparing the claims for filgotinib in the US and European patent
- Following an international patenting route
- Understanding an ISR and WO in a patent examination procedure
- Managing a patent portfolio

Practical cases

- The HeartSNP case
- Patenting a medical device
- Screening compounds using a cell line

Week 3 - Patent enforcement and infringement

Interviews with **Mika Mayer** (Cooley), **Maurits Westerik** (Coupry), **Marc Martens** (Bird & Bird)

Topics

- Freedom to operate : practical examples
- Absolute vs. relative protection of product claims and process claims
- Exclusivity: a term with many appearances
    a. Supplementary Patent Certificate (SPC)
    b. Data Exclusivity
    c. Market Exclusivity
    d. Paediatric Exclusivity
- Direct and Indirect Patent Infringement

Practical cases about direct and indirect patent infringement

- The CAR-T cells
- The Clopidogrel case in Belgium and the Netherlands

Q&A videocall

Week 4 - Patent valorisation via licensing and collaboration agreements

Interviews with **Karin Verzijden** (Axon Lawyers), **Onno van de Stolpe** (Former CEO Galapagos)
Working with the Paul Janssen Futurelab **License Agreement Builder**

Topics

- Licensing in biotech collaborations
- Framework of a licensing agreement
- The various degrees of technology transfer agreements
- Typical clauses in a technology transfer agreement

Practical cases

- The cross-license between AVI BioPharma and Eleos
- The collaboration agreement between Gilead and Galapagos
- The licensing dispute between Ablynx and Unilever
- The Genentech – University Leuven case

Week 5 - case studies and in-depth assignments

Interview with **Ton van den Hove**n (SurgVision)

Cases

- Case 1 : the Amgen / Sanofi dispute about PCSK9 and “sufficient disclosure”
- Case 2 : Lundbeck’s dispute about escitalopram : the crossroads of IP and regulatory law
- Case 3 : Crucell’s PERC.6 cell line for the production of gene therapy vectors
- Case 4 : SurgVision’s imaging platform and fluorescent marker using bevacizumab

Final videocall

Online exam

The course is concluded with an online exam of 90 minutes. You can schedule the exam on your preferred day and time in the exam week. Once you pass this exam, you will receive a certificate.





Intellectual Property Online - March, 2023

Course length	**5 weeks**	Videocall 1	**8 March 2023 20:00 to 21:00 (CET)**
Study load	**7 hours a week**	Videocall 2	**22 March 2023 20:00 to 21:00 (CET)**
Online course starts	**6 March 2023**		
Online exam period	**10 - 14 April 2023**	Videocall 3	**5 April 2023 20:00 to 21:00 (CET)**

Intellectual Property Online - October, 2023

Course length	**5 weeks**	Videocall 1	**1 November 2023 20:00 to 21:00 (CET)**
Study load	**7 hours a week**	Videocall 2	**15 November 2023 20:00 to 21:00 (CET)**
Online course starts	**30 October 2023**		
Online exam period	**4 - 9 December 2023**	Videocall 3	**29 November 2023 20:00 to 21:00 (CET)**

Free
Demo

Scholarships available

Visit our website for a free online demo that will give you an idea of the content and our approach:

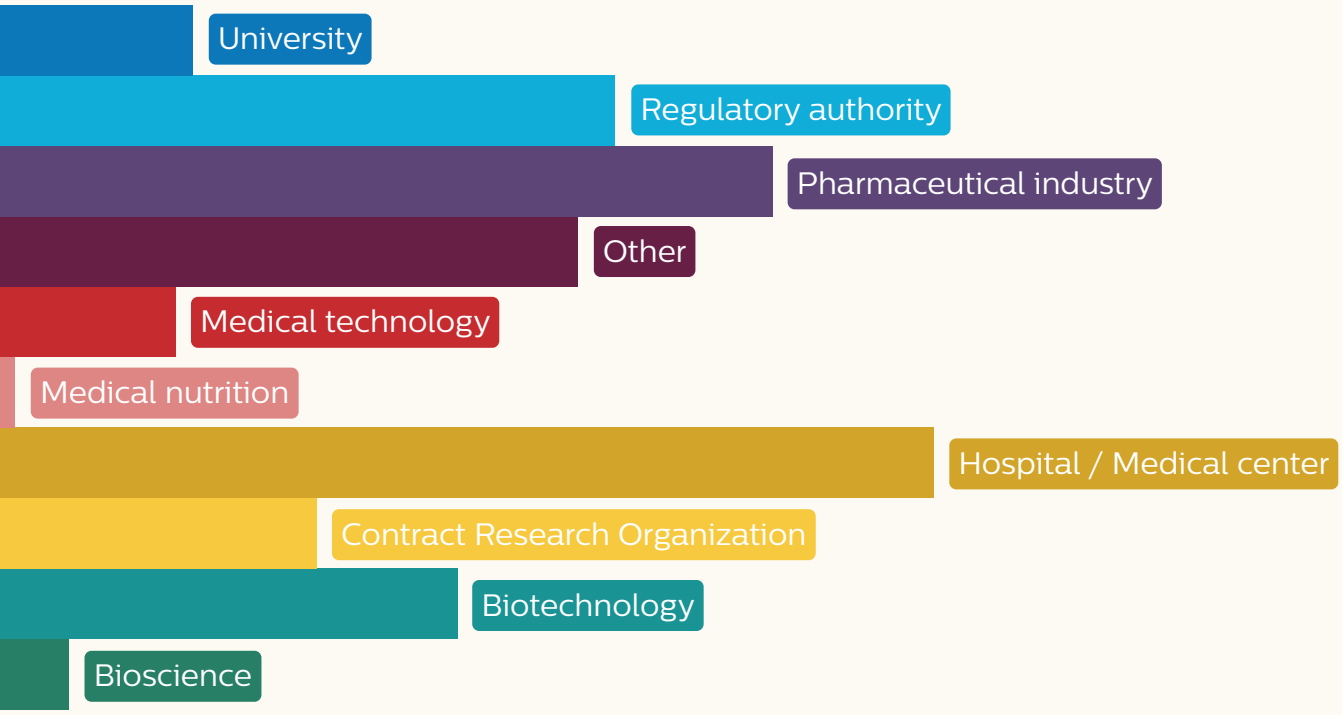
ip.pauljanssenfuturelab.eu

cases Real life cases involving Crucell, Amgen, Galapagos and Genentech. Every case is packed with interviews, interactive assignments and examples

tools The Patent Cost Calculator and License Agreement Builder to use during assignments. After sign-up you have lifetime access to our tools

class Follow the course accross your group. Meet fellow participants via chatboxes or videocalls, comment on their assignments and exchange insights about the topics of this course





Our participants come from all over the world and represent different disciplines. They bring their own expertise, learning goals and perspective into the course.



Louis Declerck
Associate at Fund+

The only IP course you need to follow to further build upon in your career! Very clear and well organized with a very relevant and practical coaching approach.

Adam Cohen
Centre for Human Drug Research

When you advise biotech companies about intervention development, patent law is always close, but also very far away if you are not a specialized lawyer.

This course makes brilliant use of all digital possibilities to teach the non-legal professional all you ever wanted to know about intellectual property, but were afraid to ask!

Laurel Schunselaar
Leiden University Medical Centre

The interactive program of the course ensures that you easily understand the information and make it applicable. The real life cases make this course interesting for biomedical professionals.

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