

Patrick de Jong MSc

Personal Information

Full Name: Patrick Theodorus Henricus de Jong
Nationality: Dutch
Date of Birth: 07-03-1973
Place of Birth: Rutten, The Netherlands

Work experience

- 2019 - now Bioprocess-consultancy.com
Freelance senior scientist and senior project manager
- Consultant/contractor: biotechnological manufacturing, USP, DSP process development, technology transfer, quality by design, process validation, facility design
 - Freelance interim project and line manager
- 2016 - 2019 [Janssen dept. Global Technical Operations Large Molecules API](#)
Senior scientist and project manager
- Project management: responsible for an international project team up to 40 members
 - Scale up and technology transfer of Adeno virus vaccine drug substance processes to a large-scale manufacturing site
 - Prepare manufacturing site for GMP production of new products, including technology transfer standardization
 - Calculate production capacity requirements and costs of goods, for large molecules and vaccines
- 2011 - 2015 [Janssen Infectious Diseases and Vaccines dept. Process Development DSP](#)
Scientist downstream processing
- Scale up and technology transfer of purification processes (centrifugation, chromatography, NFF and TFF)
 - Technology transfer from Leiden development site to Springhouse (US) development site
 - Line and project management: responsible for an international team up to 11 technicians and process engineers
 - Lean projects: optimize work flow and implement Lean methodologies in pilot scale Influenza and Adeno purification processes
 - Development and scaling up of cell-based influenza vaccine downstream processes (centrifugation, zonal ultracentrifugation, NFF and TFF)
- 2008 - 2012 [Inno-Lead](#)
Owner of the company
- Provide influenza vaccine manufacturing and process validation courses at NVI and PCS
 - Feasibility study of anaerobic digester in greenhouse area Noordoostpolder: development of an economical model, execution of a literature study and feasibility desk study (together with an engineering company)
 - Project management: preparation for green field construction of anaerobic digester including negotiations with municipality and province for permits and adaptation of zoning

- 2006 - 2011 [Xendo Manufacturing B.V. dept. Bioprocessing](#)
 Scientist downstream processing and consultant
- Consultant at Crucell on Influenza vaccine purification, inactivation and formulation
 - Establish an egg-based influenza vaccine manufacturing process/facility, including process development, pilot plant design, startup, validation, production of clinical phase I/II material and support in IMPD writing (NVI)
 - Provide practical and theoretical training for influenza vaccine manufacturing and process validation (NVI)
 - Manage process development project of an allergen purification process
 - Consultant at Solvay (nowadays Abbott) on optimization and validation of a cell-based Influenza vaccine process
 - Project consultant adventitious virus removal (Organon)
 - Consultant in optimization and validation of Meningococcal and Polio vaccine manufacturing (NVI)
 - Component procurement and engineering of a simulated moving bed (SMB) chromatography system prototype (Tarpon Biosystems)
- 2000 - 2006 [Solvay Pharmaceuticals B.V. \(nowadays Abbott\) dept. Development Influenza vaccines](#)
- CMC project management including technology transfer from development of manufacturing and validation of a cell-based influenza vaccine manufacturing facility
 - Development, optimization and validation of downstream processes (UF, MF, NFF/TFF, chromatography and sucrose gradient centrifugation)

Education

- 1992 - 2000 Wageningen University; Bioprocess Engineering
- Cellular/ Molecular Specialization
 - Enzyme kinetics, Microbial conversions, reactor design and product recovery
- 1994 - 1997 Noordelijke Hogeschool Leeuwarden; Biotechnology
- Molecular Biology
- 1991 – 1992 Christelijke Agrarisch Hogeschool Dronten; Dutch Agriculture
- First year certificate

Skills

Language:

- Dutch Native
- English Fluently oral and writing

Courses

- 2011-2019 Several GMP trainings
- 2018 Certified FPX project management (internal J&J PM system)
- 2016 Regulatory aspects of combination products
- 2015 Implementation of quality by design principles
- 2014 3-day FPX project management course
- 2013 Quality by Design applied to vaccine development and manufacturing (A-vax case study)
- 2013 – 2014 Several yellow belt lean courses
- 2012 TFF course
- 2008 NCOI time management course
- 2007 - 2009 Several internal GMP courses (Xendo Pharma Services)
- 2005 Inzicht in invloed (Bureau Zuidema)
- 2003 Project Management (Boertien en Partners)
- 2003 Advanced Course on Down Stream Processing (TU Delft)
- 2000 - 2005 Several internal GMP and validation courses (Solvay Pharmaceuticals B.V.)

References

On request