

Curriculum Vitae

May 2020

Stephen Philip Jenkinson, PhD

Professional Experience

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| May 2020 – present | Lecturer in Pharmacy Institute of Primary Health Care (BIHAM), University of Bern, Switzerland |
| Oct. 2018 – present | Manager and QP Dropa Aare Apotheke, Dr. Bähler Dropa AG, Switzerland |
| May 2010 – present | Expert examiner Apothekerverband des Kantons Bern, Switzerland |
| March 2018 – Aug. 2018 | Head of Aseptic/Sterile Production, Deputy Production Manager Laboratorium Dr. G. Bichsel AG, Interlaken, Switzerland |
| March 2017 – Dec. 2017 | Postdoc Neuroinfection Laboratory, Institute for Infectious Diseases, University of Bern, Switzerland |
| Aug. 2014 – Dec. 2017 | Teacher in pharmacology and pathophysiology WKS Bern, Chemist Department, Bern, Switzerland |
| Sept. 2011 – Dec. 2017 | Pharmacist Dr. Bähler Dropa AG, Switzerland |
| July 2013 – March 2017 | PhD Student Graduate School for Cellular and Biomedical Sciences, University of Bern. Biology Division, Spiez Laboratory, Swiss Federal Office for Civil Protection, Spiez, Switzerland. Neuroinfection Laboratory, Institute for Infectious Diseases, University of Bern, Switzerland. Supervisor: Prof. Dr. med. S.L. Leib, Neuroinfection Laboratory, Institute for Infectious Diseases, University of Bern, Bern, Switzerland & Cluster Regenerative Neuroscience, Department of Clinical Research, University of Bern, Switzerland. |
| Apr. 2011 – June 2014 | Head of pharmaceutical fabrication during annual repetition courses Swiss Armed Forces Pharmacy, Switzerland |
| Nov. 2009 – July 2013 | Pharmacist Bahnhof-Apotheke Zbinden, Burgdorf, Switzerland |
| Dec. 2008 – March 2009 | Internship clinical pharmacy Kantonsspital Bruderholz, BL, Switzerland |

Aug. 2008 – July 2009

Internship

Bahnhof-Apotheke Zbinden, Burgdorf, Switzerland

Education

July 2013 – March 2017

PhD in Biomedical Sciences, University of Bern, Switzerland

August 2009

Swiss Federal Diploma as pharmacist, M. Sc. in Pharmacy

Sept. 2007 – Aug. 2009

Master studies in Pharmacy, University of Basel, Switzerland

Oct. 2004 – July 2007

Bachelor studies in Pharmaceutical Sciences, Universities of Bern and Basel, Switzerland

June 2003

Matura in applied mathematics and physics
Freies Gymnasium Bern, Switzerland

Peer-reviewed Research Articles

Jenkinson, S.P., Grandgirard, D., Heidemann, M., Tschertter, A., Avondet, M.-A., and Leib, S.L. (2017). Embryonic Stem Cell-Derived Neurons Grown on Multi-Electrode Arrays as a Novel In vitro Bioassay for the Detection of Clostridium botulinum Neurotoxins. *Frontiers in Pharmacology* 8(73). doi: 10.3389/fphar.2017.00073.

Alexanian, M., Maric, D., **Jenkinson, S.P.**, Ting, C., Micheletti, R., Maison, D., Pezzuto, I., Villeneuve, D., Burdet, F., Ibberson, M., Leib, S., Hernandez N., Ounzain, S., and Pedrazzini, T., A transcribed enhancer dictates mesendoderm specification in pluripotency. Submitted to *nature Communications*, February 2017

Weisemann, J., Krez, N., Fiebig, U., Worbs, S., Skiba, M., Endermann, T., Dorner, M., Bergström, T., Muñoz, A., Zegers, I., Müller, C., **Jenkinson, S.P.**, Avondet, M-A., Delbrassine, L., Denayer, S., Zeleny, R., Schimmel, H., Åstot, C., Dorner, B., and Rummel, A. (2015). Generation and Characterization of Six Recombinant Botulinum Neurotoxins as Reference Material to Serve in an International Proficiency Test. *Toxins (Basel)* 7(12), 5035-5054. doi: 10.3390/toxins7124861.

International and National Congress Communications: Oral Presentations (selected)

mESC-derived neurons grown on MEAs as a sensitive platform for the detection of *Clostridium botulinum* neurotoxins. *Stem Cell Research in Regenerative Medicine, PhD Students retreat*. University of Bern, Bern, Switzerland. 06th of September 2016

Development of an *in-vitro* bioassay for the detection of *Clostridium botulinum* neurotoxins. *Curriculum Infektiologie*. Universitätsklinik für Infektiologie, Inselspital, Bern, Switzerland. 12th of May 2016

mESC-derived motor neurons as an *in-vitro* method for the detection of *Clostridium botulinum* neurotoxins. *Stem Cell Lunch Seminar, Platform for Stem Cell Research in Regenerative Medicine*. University of Bern, Bern, Switzerland. 8th of September 2015

Infektionen des Nervensystems. *Konzeptvorlesung Humanmedizin 3. Studienjahr, Pathophysiologische Grundlagen, Neurologie und Endokrinologie*. Ettore Rossi Auditorium, Kinderklinik, Inselspital, Bern, Switzerland. 9th of April 2015

Finding new *in-vitro* methods for the detection of *Clostridium botulinum* neurotoxins. *International expert meeting on BoNTs*. Spiez Laboratory, Spiez, Switzerland. 24th of March 2014

Finding the Poison – An *in-vitro* functional assay for the detection of BoNT 12th *Medical Biodefence Conference*, Munich, Germany. 24th of October 2013

International and National Congress Communications: Poster Presentations (selected)

Development of an *in-vitro* cell-based bioassay for the detection of *Clostridium botulinum* neurotoxins by using mESC-derived neurons grown on MEAs. **Stephen P. Jenkinson**, Denis Grandgirard, Martina Heidemann, Anne Tscherter, Marc-André Avondet, Stephen L. Leib. *Day of Clinical Research 2016*. Department for Clinical Research, University of Bern, Bern, Switzerland. 02.11.2016

A new *in-vitro* bioassay for the detection of *Clostridium botulinum* neurotoxins. **Stephen P. Jenkinson**, Denis Grandgirard, Martina Heidemann, Anne Tscherter, Marc-André Avondet, Stephen L. Leib. *Swiss Society for Neuroscience, Annual Meeting 2016*. Montreux, Switzerland. 02.09.2016

Using mESC-derived neurons grown on multi-electrode arrays as an *in-vitro* bioassay for the detection of *Clostridium botulinum* neurotoxins. **Stephen P. Jenkinson**, Denis Grandgirard, Martina Heidemann, Anne Tscherter, Marc-André Avondet, Stephen L. Leib. Annual Meeting, International Society for Stem Cell Research. San Francisco, USA. 23.06.2016

mESC-derived neurons grown on multi-electrode arrays as a new *in-vitro* bioassay for the detection of *Clostridium botulinum* neurotoxins. **Stephen P. Jenkinson**, Denis Grandgirard, Martina Heidemann, Anne Tscherter, Marc-André Avondet, Stephen L. Leib. *11th Annual Meeting Clinical Neuroscience Bern*. Bern, Switzerland.

Using mESC-derived neurons grown on multi-electrode arrays as an *in-vitro* bioassay for the detection of *Clostridium botulinum* neurotoxins. **Stephen P. Jenkinson**, Denis Grandgirard, Martina Heidemann, Anne Tscherter, Marc-André Avondet, Stephen L. Leib. *European Congress of Clinical Microbiology and Infectious Diseases*. Amsterdam, Netherlands. 31.03.2016

In search of *in-vitro* methods for the detection of *Clostridium botulinum* neurotoxins. **Stephen P. Jenkinson**, Marc-André Avondet, Andreas Rummel, Frank Gessler, Denis Grandgirard, Stephen L. Leib. *Annual GCB Symposium*. Graduate School for Cellular and Biomedical Sciences, University of Bern, Bern, Switzerland. 28.01.2015

In search of an *in-vitro* method for the detection of *Clostridium botulinum* neurotoxins. **Stephen P. Jenkinson**, Marc-André Avondet, Andreas Rummel, Frank Gessler, Denis Grandgirard, Stephen L. Leib. *Toxins 2015*, International Neurotoxin Association. Lisbon, Portugal. 16.01.2015

Media Communications (selected)

Puls, Schweizer Radio und Fernsehen, “*Botox-Test am Chip statt an Labormäusen*”; 13.03.17

DocCheck.com: “*Botulinum-Nachweis: Aus die Maus*”; 02.03.17

Radio SRF, “*Universität Bern will Tierversuche überflüssig machen*”; 01.03.17

Neue Zürcher Zeitung (NZZ), “*Neuer Botox-Test soll Mäuse verschonen*”; 28.02.17

Universität Bern, “*Maus-Stammzellen auf Chip könnten Tierversuche ersetzen*”; 28.02.17

Thesis Supervision

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| 2015 – 2017 | Master Thesis: “Establishing an In Vitro Model of the Neuromuscular Junction with light-driven Induction of the synaptic Transmission: A future Tool for the Detection of Clostridium Botulinum Neurotoxins”. Institute for Infectious Diseases, University of Bern, Switzerland. |
| 2014 – 2015 | Master Thesis: “Differentiation of Mouse Embryonic Stem Cells into Spinal Motor Neurons and their Molecular Characterization”. Institute for Infectious Diseases, University of Bern, Switzerland. |

Memberships of Scientific Societies

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| 2018 – present | Member of the Swiss Society of Industrial Pharmacists (GSIA) |
| 2008 – present | Member of pharmaSuisse |
| 2016 – 2018 | Member of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID) |
| 2016 – 2017 | Member of the International Society for Stem Cell Research (ISSCR) |