# CURRICULUM VITAE


**Name:** Dr. Ruth Deme PharmD., PhD.
**Address**: Semmelweis University Department of Organic Chemistry, H-1092 Budapest, Hőgyes E. utca 7.
**E-mail**: deme.ruth@pharma.semmelweis-univ.hu
**Date and place of birth**: 3rd March 1985, Oroszlány
**Citizenship**: Hungarian


**Education:**

| | |
|---|---|
| 1998-2004 | János Bolyai High School, Salgótarján |
| 2004-2005 | J.L. Seagull Training School, Computer technology qualification, Salgótarján |
| 2005-2010 | Pharmacy MSc, Semmelweis University, Budapest<br>supervisor: Prof. Péter Mátyus, MSc thesis: Synthesis of polycyclic compounds *via tert*-amino effect |

**Munkahely:**

| | |
|---|---|
| 2010-2011 | PhD student<br>Semmelweis University Department of Organic Chemistry<br>Supervisor: Prof. Péter Mátyus |
| 2011-2017 | Assistant research fellow<br>Semmelweis University Department of Organic Chemistry |
| 2017 | PhD degree (summa cum laude)<br>Semmelweis University, Budapest, Doctoral School of Pharmaceutical Sciences<br>Supervisor: Prof. Péter Mátyus, PhD thesis: Diastereoselective synthesis of novel tetrahydroquinoline derivatives *via tert*-amino effect |
| 2017- | Assistant lecturer<br>Semmelweis University Department of Organic Chemistry |

**Languages:** Hungarian (native), English (fluent), basic notions of French

**Research interest:** Synthetic and mechanistic chemistry of nitrogen containing heterocyclic systems; stereoselective synthesis of β-amino acids and β-peptides for enantioselective catalysis; flow chemistry

**Teaching experience:**

| | |
|---|---|
| 2012- | organic chemistry practical course for pharmacy students (Hungarian, English), theoretical consultations for Hungarian and English students |
| 2012-2017 | organic chemistry practical course for molecular bionics engineer students (Pázmány Péter Catholic University) |
| 2012- | Student supervision (4 diploma works).<br><br>Michele Schlich (2012)<br>Novel extension of *tert*-amino effect - synthesis of semicarbazide-sensitive amine oxidase active derivatives<br><br>Lorenzo Galavotti (2012)<br>A study on *tert*-amino effect, towards the synthesis of amine oxidase inhibitor<br><br>Giuseppe Marseglia (2014)<br>Synthesis of spirocyclic derivatives *via tert*-amino effect |

Fabio Favali (2018)
Stereoselective synthesis of β-amino acids and β-peptides for enantioselective catalysis

**Publications and conferences:**

| | |
|---|---|
| International paper: | 9 |
| Hungarian paper: | 1 |
| Patent: | 1 |
| poszter presentation: | 9 |

**Awards, scholarship:**

Sanofi-Aventis Zrt. PhD scholarship 2010-2011

Sándor Mozsonyi Prize – PhD category
Semmelweis University 2012

20th International Conference on Organic Synthesis – „Best Poster Prize"
Budapest, 2014

27 January 2020, Budapest