Tereza Pavlíčková

Organic chemist & pharmacist

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PERSONAL

Date and place of birth:
26th June 1992
Prague,
Czech Republic

Languages:
Czech - native
English - fluent
- CAE **C2**
- UniCert III **C1**

French - fluent
- DELF **B1**

German - basic

SKILLS

Organic chemistry

Retrosynthesis, Total synthesis & Multi-step synthesis

Structural analysis (NMR, IR, MS)

Software skills

ChemOffice, MestreNova, TopSpin, MBook, MS Office, Adobe Illustrator

EDUCATION

December 2020 – October 2016 **Ph.D.** **Organic Chemistry**
Co-tutelle
Charles University, Faculty of Sciences
& Université de Montpellier
Thesis: *Total Syntheses of Neuroprostanes*
Supervisors: Dr. Ullrich Jahn, Dr. Jean-Marie Galano, Dr. Camille Oger

June 2016 – October 2011 **MSc.** **Pharmacy**
Charles University, Faculty of Pharmacy
Thesis: *Synthesis of lipophenolic derivatives of hydroxytyrosol, resveratrol and phloroglucinol*
Advisor: Prof. Kateřina Vávrová, PhD.
Supervisor: Dr. Céline Crauste

RESEARCH EXPERIENCE

March 2020 – March 2017
Institute of Organic Chemistry and Biochemistry of the CAS
Prague, Czech Republic
Ph.D. student, Ullrich Jahn's group
- Total syntheses of 20-neuroprostanes of F-, D- and E-type

October 2016 – January 2016
Institut des Biomolécules Max Mousseron
Montpellier, France
Ph.D. student, Bioactive Lipids Synthesis group
- Total syntheses of 4-neuroprostanes of A- and J-type

January 2016 – October 2015
Institut des Biomolécules Max Mousseron
Montpellier, France
M.Sc. intern, Bioactive Lipids Synthesis group
- Multistep synthesis of new lipophenolic compounds

October 2015 – January 2014
Faculty of Pharmacy of the Charles University
Hradec Králové, Czech Republic
Undergraduate research volunteer, Skin Barrier Research Group
- Synthesis of amphiphilic compounds that can alter the skin barrier function

OTHER

Affiliations

French Chemical Society (2016 - 2019)
Active member of the "RJ SCF" (2016 – 2017)
Member of the organizing committee for *5èmes Journées Méditerranéennes des Jeunes Chercheurs 2017* (Young chemists' regional conference)

PUBLICATIONS

1. Pavlickova, T.; Bultel-Poncé, V.; Guy, A.; Rocher, A.; Reversat, G.; Vigor, C.; Durand, T.; Galano, J.-M.; Jahn, U.; Oger, C., First total syntheses of novel non-enzymatic polyunsaturated fatty acid metabolites and their identification in edible oils.
Chemistry – A European Journal, **2020**, *26*, 10090-10098.
2. Ahmed, O. S.; Galano, J.-M.; Pavlickova, T.; Revol-Cavalier, J.; Vigor, C.; Chung-Yung Lee, J.; Oger, C., Durand, T.Moving Forward with Isoprostanes, Neuroprostanes and Phytoprostanes - Where are we now?. *Essays in Biochemistry*, **2020**, *64*, 463-484.
3. Tupec, M.; Buček, A.; Janoušek, V.; Vogel, H.; Prchalová, D.; Kindl, J.; Pavlíčková, T.; Wenzelová, P.; Jahn, U.; Valterová, I.; Pichová, I., Expansion of the fatty acyl reductase gene family shaped pheromone communication in Hymenoptera. *eLife* **2019,** *8*, e39231.
4. Shamseddin, A.; Crauste, C.; Durand, E.; Villeneuve, P.; Dubois, G.; Pavlickova, T.; Durand, T.; Vercauteren, J.; Veas, F., Resveratrol-Linoleate protects from exacerbated endothelial permeability via a drastic inhibition of the MMP-9 activity. *Bioscience Reports* **2018,** *38* (4), BSR20171712.

POSTER PRESENTATIONS

1. Toward the Syntheses of Neuroprostanes**,** *9th Barrande-Vltava French-Czech Chemistry Meeting*, 7th to 12th August **2018**, Strasbourg, France.
"Journal of Biomolecular Chemistry" poster award.
2. Toward the Syntheses of Neuroprostanes**,** *Balticum Organicum Syntheticum 2018*, 1st to 4th July **2018**, National Library of Estonia, Tallinn, Estonia.
3. Towards the Synthesis of Neuroprostanes, *Journée Grand Sud-Ouest 2017 de la Société Chimique de France*, 24th November **2017**, Toulouse, France
Best poster award.
4. Towards the Synthesis of Neuroprostanes, *52nd Advances in Organic, Bioorganic and Pharmaceutical Chemistry "Liblice 2017"*, 3rd to 5th November **2017**, Lázně Bělohrad, Czech Republic.
5. Towards the Synthesis of Neuroprostanes, *5èmes Journées Méditerranéennes des Jeunes Chercheurs 2017*, 12th to 13th October **2017**, Montpellier, France.
6. Towards the Synthesis of Neuroprostanes, *8th French-Czech Vltava Chemistry Meeting*, 4th to 5th September **2017**, Prague, Czech Republic.

ORAL COMMUNICATIONS

1. From the Total Synthesis of 18-F_{3t}-Isoprostane to a Pool of Neuroprostanes, *10th Barrande-Vltava French-Czech Chemistry Meeting*, 2nd to 3rd September **2019**, Prague, Czech republic
2. Toward the Syntheses of Neuroprostanes, *IUPAC 2019*, 7th to 12th July **2019**, Paris, France.
3. Toward the Syntheses of Neuroprostanes, *6èmes Journées Méditerranéennes des Jeunes Chercheurs 2018*, 18th to 19th October **2018**, Marseille, France.
Best oral communication award.
4. Towards the Synthesis of Neuroprostanes, *Journée Grand Sud-Ouest 2017 de la Société Chimique de France*, 24th November **2017**, Toulouse, France
5. Towards the Synthesis of Neuroprostanes, *5èmes Journées Méditerranéennes des Jeunes Chercheurs 2017*, 12th to 13th October **2017**, Montpellier, France.