Curriculum Vitae

Personal information

Katarína Vavrová

Work experience

1. Employer: State Institute for Drug Control
   - Start date: 112021
   - End date:
   - Position: Clinical Trials Assessor
   - Activities:
   - Country: Slovakia
2. Employer: Ministry of Health of the Slovak republic
   - Start date: 03/2023
   - End date:
   - Position: Ethics Committee for Clinical Trials
   - Activities:
   - Country: Slovakia

Education and training

1. Subject: Charles University, Prague
   - Start date: 2018
   - End date: 2022
   - Qualification: PhD
   - Organisation: Laboratory of molecular carcinogenesis and drug development. Supervised by prof. Marie Stiborová and Dr. Radek Indra
   - Country: Czechia
2. Subject: Sahlgrenska Academy, Gothenburg University
   - Start date: 2020
   - End date: 2020
   - Qualification: Research internship
   - Organisation:
   - Country: Sweden

Additional information

Publications

Vavrová, K.,Indra, R., Pompach, P., Heger, Z., Hodek, P. The impact of individual human cytochrome P450 enzymes on oxidative metabolism of anticancer drug lenvatinib, Biomedicine & Pharmacotherapy, Volume 145,p 2022, 112391, ISSN 0753_3322, https://doi.org/10.1016/j.biopha.2021. Indra, R., Vavrová, K., Pompach, P., Heger, Z., Hodek, P. Identification of Enzymes Oxidizing the Tyrosine Kinase Inhibitor Cabozantinib: Cabozantinib Is Predominantly Oxidized by CYP3A4 and Its Oxidation Is Stimulated by cyt b5 Activity" Biomedicines 8, 2020, no. 12: 547. https://doi.org/10.3390/biomedicines8120547 Indra, R., Pompach, P., Vavrová, K., Jáklová, K., Heger, Z., Adam,V., Eckschlager, T., Kopečková, K., Arlt, V.M, Stiborová, M. Cytochrome P450 and flavin_containing monooxygenase enzymes are responsible for differential oxidation of the anti_thyroid_cancer drug vandetanib by human and rat hepatic microsomal systems, Environmental Toxicology and Pharmacology, Volume 74, 2020, 103310, ISSN 1382_6689, https://doi.org/10.1016/j.etap.2019.103310 Indra, R., Pompach, P., Martínek, V., Takácsová, P., Vavrová, K., Heger, Z., Adam, V., Eckschlager, T., Kopečková, K., Arlt, V.M., Stiborová, M. Identification of Human Enzymes Oxidizing the Anti_Thyroid_Cancer Drug Vandetanib and Explanation of the High Efficiency of Cytochrome P450 3A4 in its Oxidation" International Journal of Molecular Sciences 20, 2019, no. 14: 3392. https://doi.org/10.3390/ijms20143392

Projects

GACR 18_10251S Comprehensive insight into mechanisms of action and metabolism of tyrosine kinase inhibitors and a study of ways increasing their antitumor efficiency. GAUK 998217_ The mechanism of action of doxorubicin and ellipticine encapsulated in apoferritin nanotransporters on tumor cells – in vitro study.

Memberships

Other Relevant Information