

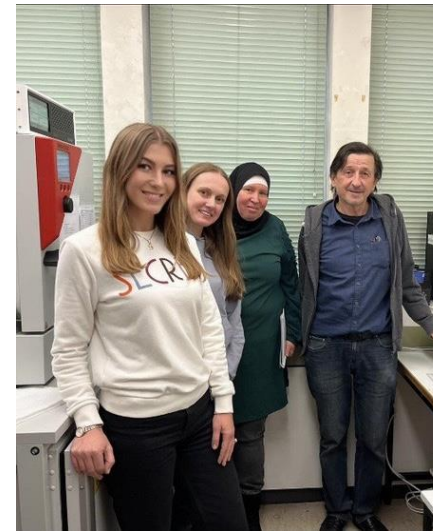
Zentrum für Krebsforschung

CENTER FOR CANCER RESEARCH OF THE MEDICAL UNIVERSITY OF VIENNA



Internship

- Scientific internship: Under the supervision of Prof. Klaus Holzmann, scientists at the Department of Histology, Cytology, and Embryology have acquired proficiency in the quantitative diagnosis of changes in telomere areas within intracellular and extracellular environments. The outcomes of ongoing research will enhance understanding regarding the influence of stress on telomere length alterations and DNA damage.
- Students' summer practice: on the basis of an open competitive selection, 4 students of medical faculties were nominated and registered for summer practice.



Search for novel drugs for the treatment of myeloproliferative neoplasms



High-throughput
screening (HTS assay)

cell lines

Ba/F3 CALR WT

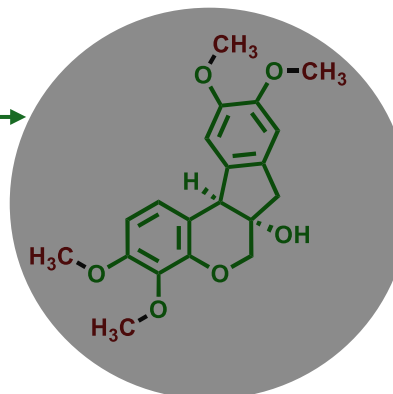
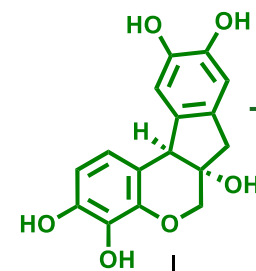
Ba/F3 CALR del79/WT

Ba/F3 CALR del37/del37

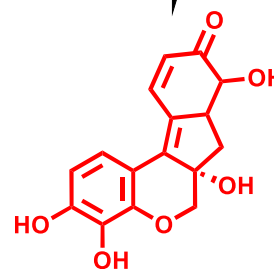
UT-7 CALR WT

UT-7 CALR del58/WT

hematoxylin



hematoxylin
derivative



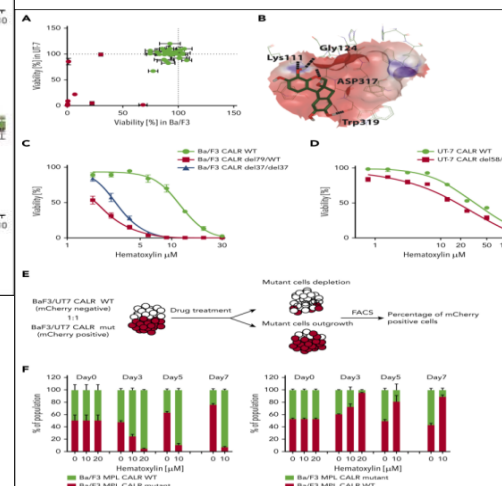
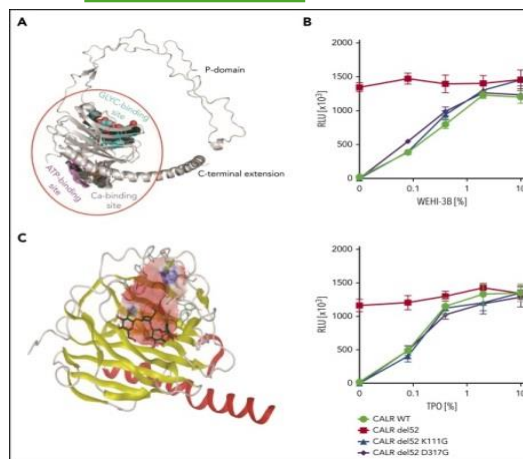
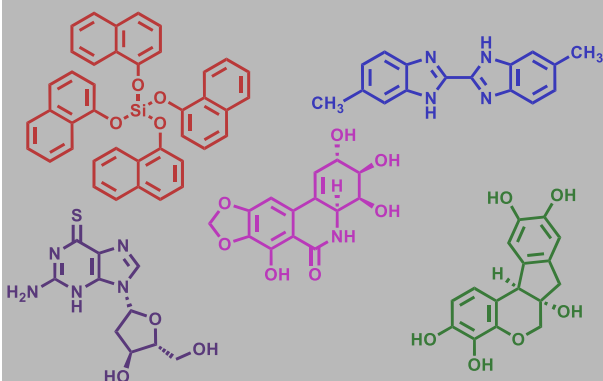
hematein



Scientists from the research groups of Robert Kralovics and Roman Lesuk have recently identified hematoxylin as a novel inhibitor of the calreticulin gene (CALR).

Hematoxylin compounds target a specific domain of CALR, selectively eliminating CALR mutant cells, which have been identified as the causative agents of myeloproliferative neoplasm in patients. These findings offer valuable insights into potential treatment strategies for myeloproliferative neoplasms.

41 available compounds





Dr. Barbara HERZOG-PUNZENBERGER

Rector of University College of Teacher Education Vienna



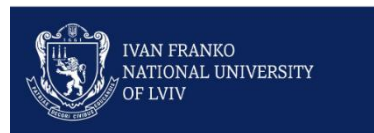
Cooperation with Ukraine



**Fruitful cooperation with
4 partner universities
since 2015**

**Drohobych Ivan Franko State
Pedagogical University**
Coordinator: Yaroslav Lopushanskyi

West Ukrainian National University
Coordinator: Olha Tsaryk



**Ivan Franko National University
Lviv**
Coordinator: Alla Paslavska

**Ternopil Volodymyr Hnatiuk
National Pedagogical University**
Coordinator: Romana Mysula



Student mobilities (SMS)



Approx. **42** financed by Erasmus+ incoming student mobilities from Ukraine since 2015
Drohobych 66%, Lviv 34%

Financed by Erasmus+ outgoing student mobilities to Ukraine (6 SMS from 2015 till 2021)

Regular meetings and consultations with mobility coordinators: **Yaroslav Lopushanskyi** (Drohobych), **Alla Paslavska** (Lviv), **Olha Tsaryk and Romana Mysula** (Ternopil)



Student mobilities (SMP)

Opportunity for students to do an internship at the international office of PH Vienna

Since the beginning of the full-scale invasion, students have had the opportunity to do teaching practice in schools with refugee children from Ukraine

Approx. **17** students from partner universities in total since 2015





Staff mobilities (STA + STT)

Erasmus+UA

Approx. **30** incoming staff
mobilities from Ukraine since 2015

Approx. **15** outgoing staff
mobilities in Ukraine (from
2015 till 2021)

Academic support for lecturers and
professors from Ukraine through the PH
Vienna

NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES OF UKRAINE – AUSTRIA PARTNERSHIP



НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ
БІОРЕСУРСІВ І ПРИРОДОКОРИСТУВАННЯ
УКРАЇНИ



Current stage:

- ERASMUS + agreement on academic mobility of students and academic staff;
- Prof. Serhii Zibtsev works prof. Harald Vacik: forest fire monitoring and preventing;
- Cooperation in framework of IROICA and ICA;

History of cooperation:

- NUBiP Of Ukraine Rector visit to BOKU hosted by Rector of BOKU, Professor Martin H. Gerzabek, - 2013
- INTERNATIONAL SCIENTIFIC CONFERENCE “EARTH BIORESOURCES AND ENVIRONMENTAL BIOSAFETY: CHALLENGES AND OPPORTUNITIES” Kyiv, Ukraine, November 4-7, 2013, Presentation: Plants as Expression System for Recombinant Therapeutic Glycoproteins. Herta Steinkellner, Richard Strasser and Josef Glössl. Vice-Rector of BOKU Josef Glössl visited Kiev and signed agreement of cooperation.
- Lobchenko Hanna, Assistant of the Department of Forest Reclamation and Optimization of Forest Landscapes participated in the symposium on August 5-24, 2016.
- Talavyria Mykola, Professor of the Department of Economic Theory Ryabchenko Oksana, Associate Professor of the Department of Stock Exchange Activities 12-14.10.2016 participation in the seminar organized by DI Elisabeth Denk, Director, Research Support, Innovation & Technology Transfer
- April 2018, the Global Challenges University Alliance seminar was held at the Vienna University of Life Sciences - Anzhela Dzhiba, Associate Professor of the Department of Ornamental Horticulture and Phytodesign - April 2018
- February 2020, the University of Life Sciences Vienna (BOKU) hosted a regular meeting of the Council of the European Association of Life Sciences Universities - Vice-Rector V.A. Tkachuk. Rector Prof. Hubert Hasenauer, Josef Glössl
- Matsala Maksym, Department of Forest Management Taxation 4.02-31.03.2020 internship



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 International Institute for
Applied Systems Analysis
I I A S A www.iiasa.ac.at

- The beginning of the cooperation - 1992, when Anatolii Shvydenko was invited to IIASA as a researcher by Academician of the Royal Swedish Academy of Sciences by Professor Stan Nilsson
- many internships of Ukrainian scientists were held at IIASA, 6 research projects were completed, more than 50 joint scientific papers were published, including 2 monographs and 20 articles in scientific journals indexed in the Scopus database. In cooperation with IIASA, a number of international conferences, seminars, workshops, and forums have been held. An important element of cooperation is the invitation of scientists from IIASA to give guest lectures to master students majoring in forestry.
- The joint IIASA NUBIP-IUFRO Forum "Forest Science and Education in Ukraine: priorities for action" was held on November 21-22, 2023, Laxenburg. The event was jointly organized by IIASA, the National University of Life and Environmental Sciences of Ukraine (NULES) and the International Union of Forest Research Organizations (IUFRO).



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AREAS OF COOPERATION

- Mobility projects(ERASMUS+) for staff and students;
- Joint seminars and conferences, publications;
- Cooperation in degree programs: Environmental sciences, Natural resource management, Forestry etc.;
- Research cooperation (matching the interests of research groups)
- Food science: food system resilience, food safety, nutrition and public health;
- Biotechnology: plants' stress resistance, carbon nanomaterials; measures to restore terrestrial ecosystems;
- Forestry: forest ecosystem; sustainable forestry; forest biomass; forest resilience to fires and climate change; green cities(towns) and climate change resilience;
- Bioeconomy: Sustainable Agricultural Practices; Bio-based Materials; Biofuels and Renewable Energy; Circular Bioeconomy; Bioinformatics and Data Analysis



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Thank you!

We hope to develop our cooperation!

Vielen dank!

Wir hoffen, die zusammenarbeite zu entwickeln!

www.nubip.edu.ua

rectorat@nubip.edu.ua

15, Heroyiv oborony str.

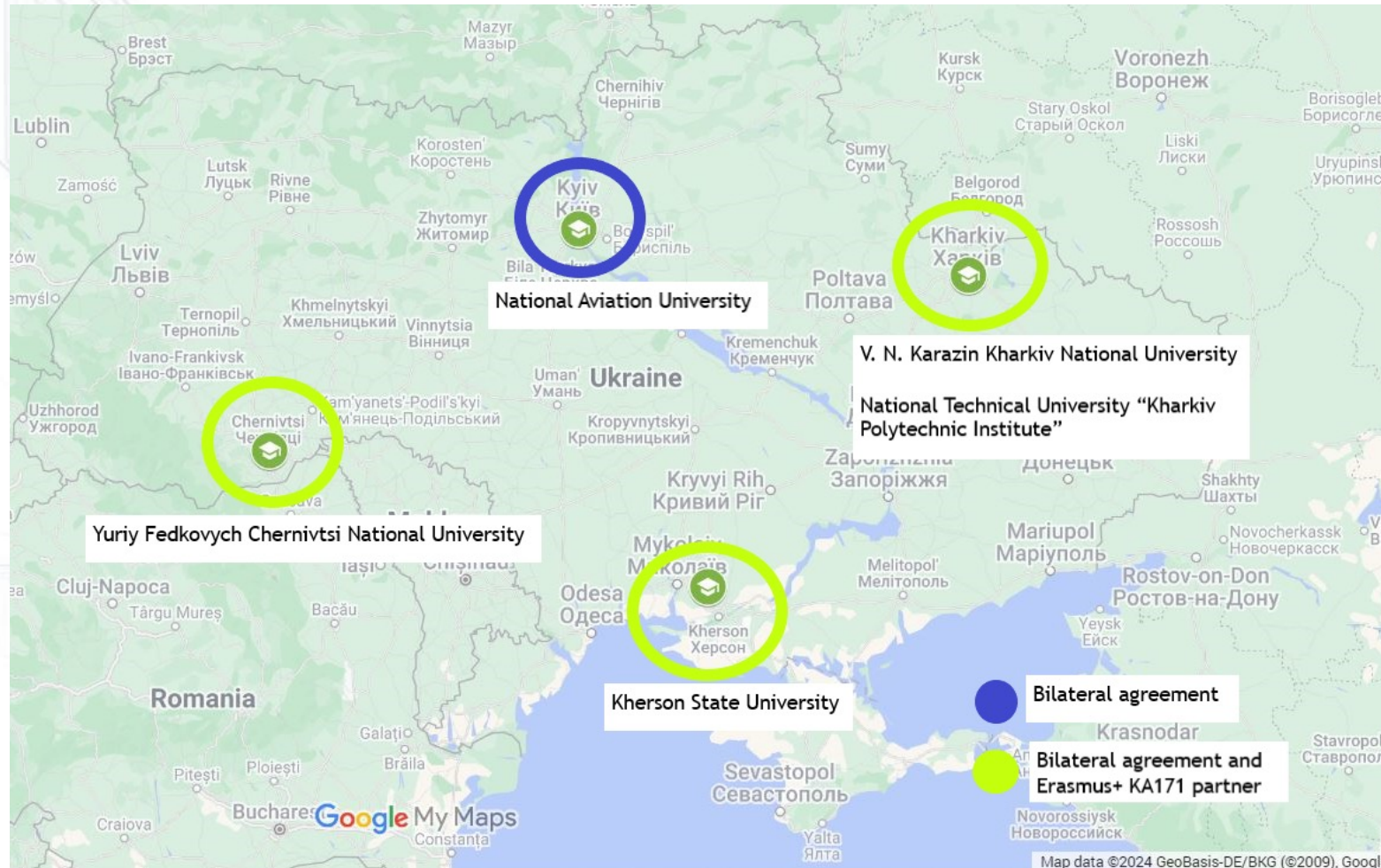
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Ukraine

Cooperations between the University of Klagenfurt and Ukrainian Universities

High Level Meeting | Uzhhorod
16.04.2024
Doris Hattenberger

Ukrainian Partner Universities of the University of Klagenfurt (AAU)



Specific Examples of Cooperation

- **Bilateral exchange agreements** (“Joint Study”) with all partners, some of which dating back to 1995
- Joint **Erasmus+ KA 107/171 mobility projects** with CHNU, KSU, NTU “KhPI” and KGNU since 2015
- 1992 – 2017 **jointly organized summer school** on language and culture for Austrian and Ukrainian students with NTU “KhPI”
- **Double Degree programme** “Software Engineering”/ “Informatics” with NTU “KhPI” since October 2017
- planned **Double Degree programme** “Computer Science”/ “Informatics” with KGNU

Ukrainian students and staff at AAU since 24 February 2022

- 69 (sixty-nine) incoming student
- mobilities and 5 (five) incoming student mobilities for traineeship from partner universities in Kharkiv, Kherson and Chernivtsi
- 10 (ten) incoming staff mobilities for teaching and/or training from Ukraine (partly long-term mobilities)
- Per semester ~ 20 (twenty) non-degree seeking students from Ukraine participate in the MORE programme at AAU

