



Pauli = ?

.) **Wolfgang Pauli** (1900 – 1958; Nobel prize 1945):

Vienna born physicist, one of the founders of quantum physics, „*the conscious of science*“

.) **Wolfgang Pauli Institute** (founded 2001)

Vienna based „center of excellence“ in **mathematics-informatics-physics + applications**: biology, economy...

Annual budget < 1 Mill €, with ~ 300 000 € from the ministry of science

Missions : inter-disciplinary, inter-national / inter-institutional, synergetic partner of universities,...

One (of many) WPI activity: „WPI thematic programs“ link strong groups in Austria with scientists worldwide, co-funding scientific visitors and long term visiting scientists (including „Pauli fellows“) who come to Austria („incoming mobility“) and „**Pauli scholarships**“ for scientists „going abroad“ („outgoing mobility“)

WPI is „bottom-up“: **created & managed by scientists for scientists & science**

rules serve the scientists - and not the other way around



Ukraine = ?



- .) Ukraine is ... a European democracy
(the largest entirely European country on the continent,
bordering on Russia that stretches mostly into Asia)
- .) Ukraine is ... rich in culture and in science,
e.g. in physics/mathematics – magnetism – materials,...
- .) Ukraine is ... “close” to Austria
- .) Ukraine is ...

.) Ukraine is victim of Russian aggression war since 2014, fully escalating since 2022

.) Ukraine is defending all of democratic Europe since 2022, Baltic republics & Poland know too well what is at stake...



Project = ?

Situation march 2022: lot of solidarity & help for scientists & students who left Ukraine, e.g. in Austria several grant schemes by the Austrian Science Foundation (FWF), academy (ÖAW), universities, etc. worth several millions of Euros, restricted to those Ukrainians who are in Austria.

! Lack of support to those Ukrainian colleagues who (must) stay (e.g. men aged 18 – 60).
Salary payments are reduced/stopped at academic Ukrainian places. Many scientists had to flee inside Ukraine.

Idea: “Pauli Ukraine Project” yields financial support for Ukrainian colleagues in mathematics, physics, computer science and related (STEM) fields, who stay and continue research within Ukraine.

WPI implements “Pauli scholarships” with a monthly flat rate of 1000 € for “Postdocs” of all age, 750 EUR for PhD students - 2-months, renewable.

The Ukrainian scholarship holder gets the money transferred to an account in Ukraine without being obliged to be physically present in Austria. (WPI already had created the „Pauli Corona Project“ (2020-22) that was a similar scheme for scientists „stuck between 2 contracts“ somewhere in the world.)

„Doppelt gibt wer schnell gibt“ – “Double who gives fast” (first payments arrived in Ukraine march 2022)

These “pre/postdoctoral research training” scholarships fit within the **frame and rules of the usual “WPI thematic programs” that the Austrian ministry of science co-funds**, where

1) one of the co-organisers of a thematic program proposes potential grantees who work in the broad research field of the thematic program.



- 2) The Ukrainians then “apply upon invitation” with a 2 page form, where they also “justify” why they need the money. A research theme, a CV is added, possibly letters of recommendation, as well as documentation of the „circumstances“, by e-mail to WPI team.
- 3) Then competent scientists with profound knowledge of the Ukraine academic system check the applications within 24 hours.
- 4) Then the WPI director checks the final list, eligibility also checked by WPI adm. director, within 24 hours.
- 5) Then „grant agreements“ are prepared by WPI team and sent to colleagues in Ukraine by e-mail, within 24 hours.
- 6) Then „signed“ grant agreements are sent back to WPI adm.director, in e-mail including IBAN.
- 7) Then WPI adm.director transfers money to Ukrainian account, within 24 hours.

Result (so far): > 130 Pauli Ukraine fellowships, ~ 90% Postdocs, ~ 40% women, > 200 000 €



Who = ?

Idea & concept, management, quality assurance & direct link to community in Ukraine:

Norbert J **Mauser**, Andrii **Chumak** with Sergiy **Ryabchenko**, Khrystyna **Levchenko**

Management & administration:

Stefanie **Preuss**, Inma **Foulquié Mauser** and Pedro **del Real Lavergne**

Co-funding: Ministry of Science via the WPI grant

Sektionschefin Research: Barbara **Weitgruber**

Sektionschef Universities: Elmar **Pichl**

Rektor Univ. Wien: Heinz **Engl** and Sebastian **Schütze** (WPI grant paid via Univ. Wien)

Why = ?

.) Mission of WPI: serve scientists, in the most efficient way

.) Structure of WPI: flexible, efficient, creative, „small is beautiful“

.) Trust at WPI: everyone knows everyone personally (no „digitalization“, no e-identity)

.) special ties of Austria and WPI members to Ukraine

„Scientists with a conscience“ (inspired by Wolfgang Pauli...)