

LISA Graduation

LISA Final Conference, 4 Sept 2024

Prof Thomas Elias Cocolios, KU Leuven
Training Officer



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A final word from your Training Officer

It all started in Brussels!



Let us thank those who worked in the background:

- Ingrid
- Anita
- Isabelle

Recruitment

15 Marie Curie PhD positions in atomic/laser/nuclear physics - EU pr...
Geneva, Switzerland • MSCA-ITN-LISA-2019-1 • <https://smrtr.io/3MT5d>
● Status: INTERVIEW ▾ • Public • Dec 9, 2019

ADVERTISE SHARE ⋮

New	44 In-review	Interview	Offered	Hired	44 All active	Leads	Withdrawn	51 Rejected
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PEOPLE SOURCING ACTIVITY JOB AD JOB DETAIL

Rating **Star rating**

- 1 2 3 4 5

Tags

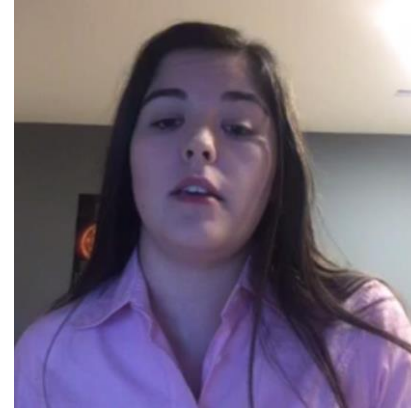
Filter more tags 🔍

- esr1 (14)
- esr2 (12)
- esr4 (10)
- esr5 (10)
- esr6 (10)

When clicking in this box you can select one or more positions

>180 applicants

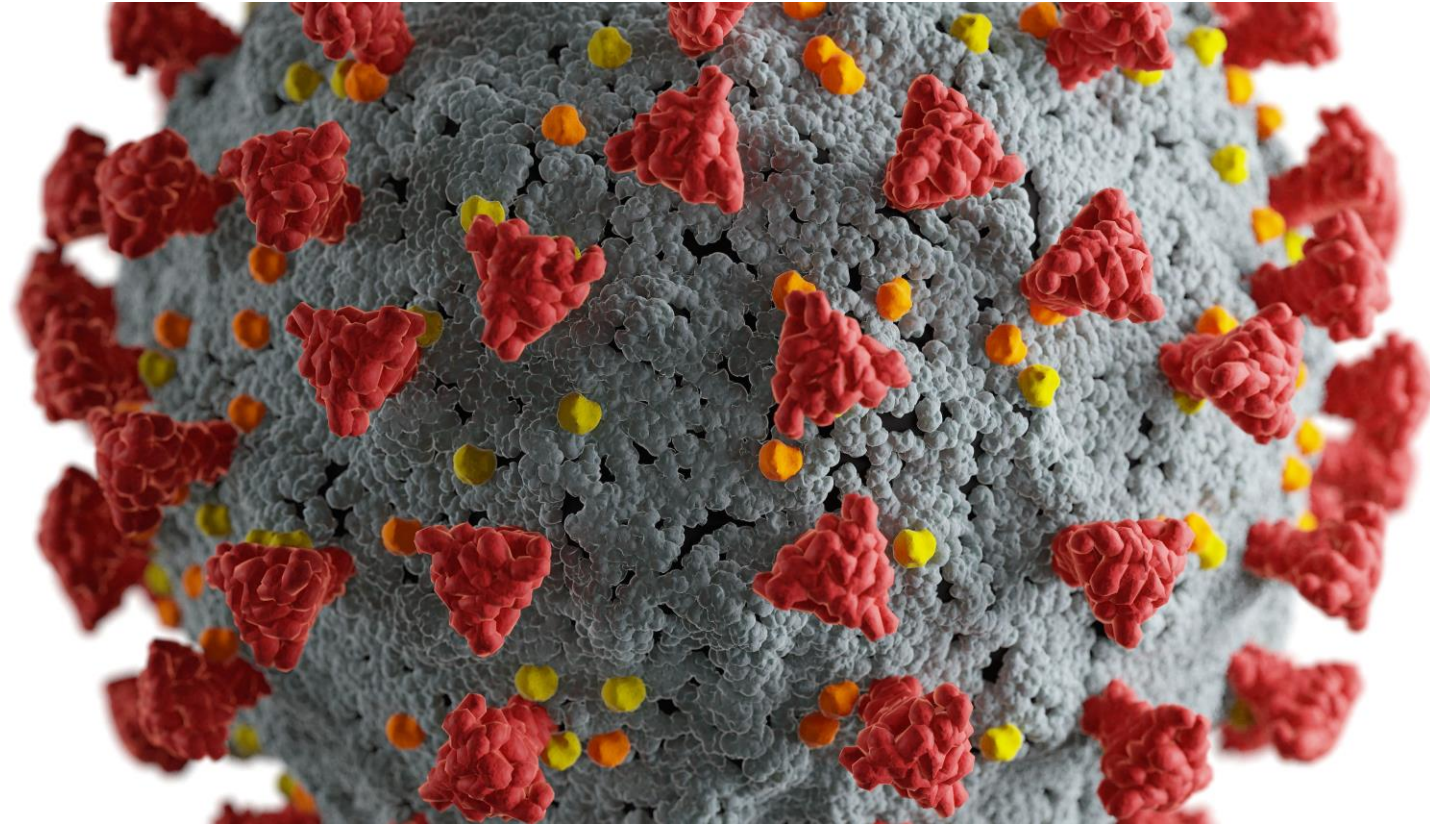
SONRU



Recruitment meeting



COVID-19



Training Kick-Off in “Leuven”

SHEEP HERDING

Herd your sheep through the set course. Verbal and non-verbal communication is of utmost importance during the herding workshop and will be your key to success!



General training in Strasbourg



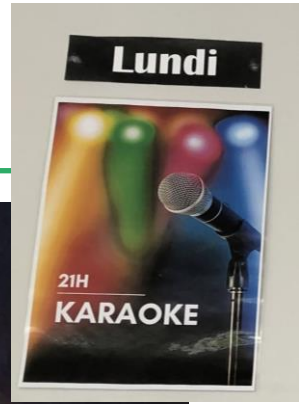
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Online =)



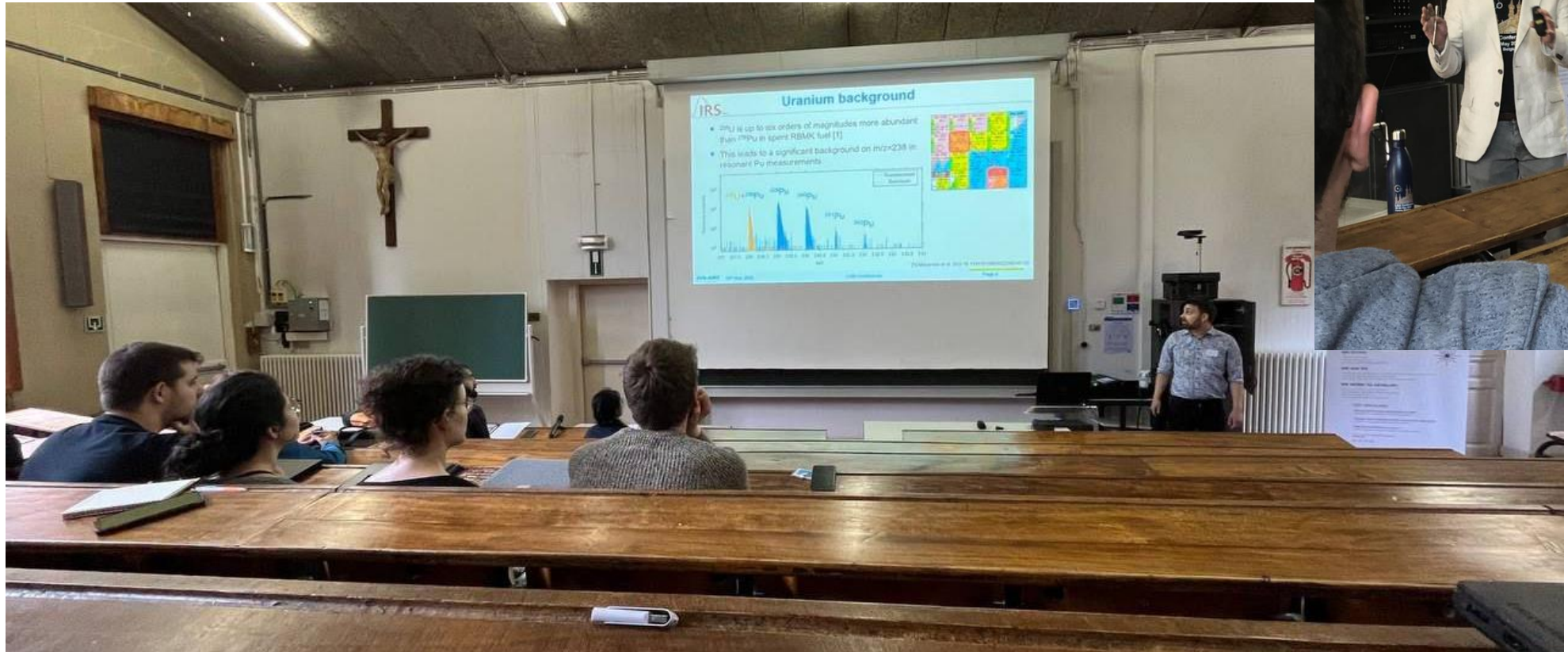
Cabourg & Bagnolles-de-l'Orne



Cabourg & Bagnolles-de-l'Orne



Leuven conference



LISA-4-Society: Chernobyl

ch.ex.zo ▾

Intro New

Ⓜ ⊕ ≡


📱

NUCLIDE CHART

A nuclear physicist's pokedex!

PLUTONIUM

and its isotopes part 2

Pu 238 87.7 y α	
Pu 241 14.3 y β	
Pu 242 375000 y α	
Pu 243 4.96 h β	
Pu 244 81 mil. y α	

dedicated to the former planet Pluto

PLUTONIUM

and its isotopes part 1

where do they come from?
where do they go?

Pu 239 24110 y α
Pu 240 6561 y α

CONTAMINATION

across Europe

After the explosion in Chernobyl, the wind carried radioactive material across Europe but it wasn't the Soviet Union who sounded the alarm

Реактор

РБМК high-power channel-type reactor

Большой

Why reactor design matters

Мощности

Канальный

THE NUCLEAR FUEL CYCLE

and how it interacts with the environment

ACTIVITY AND HALF-LIFE

Activity (Bq)

Dose

Any object absorbing ionizing radiation experiences so-called

measured in energy (in joules) absorbed per kg material, or

Sv

For a human, risk of harm depends on both the dose and how long the body is exposed to it.

TYPES OF RADIATION

α ALPHA

β BETA

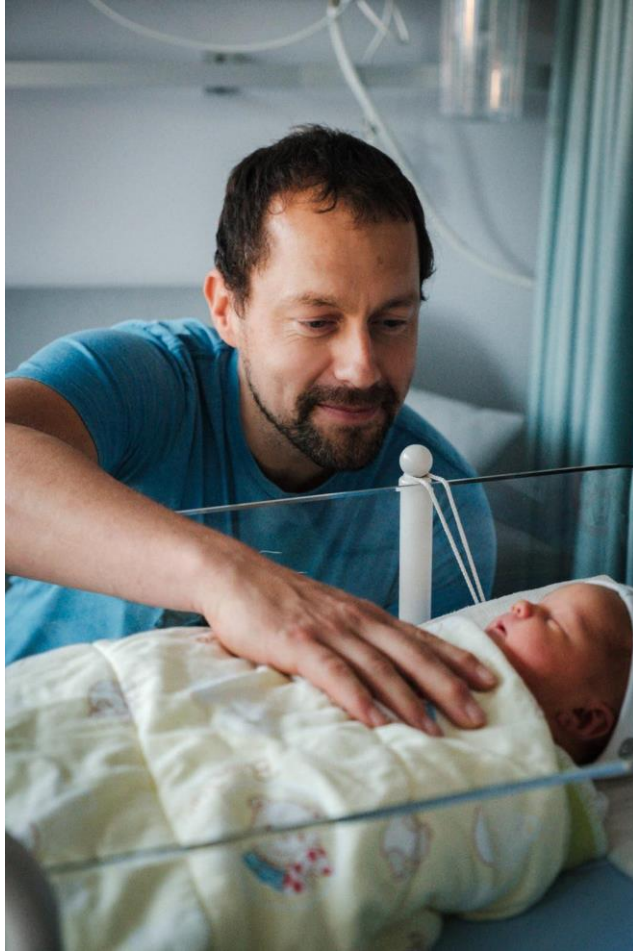
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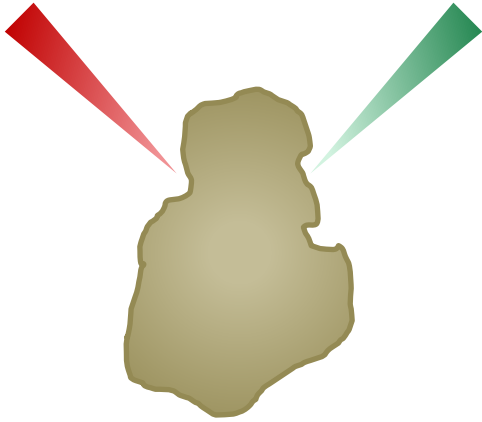
LISA-4-Society: Fukushima



Be More Bruce



Calling forth our graduates!



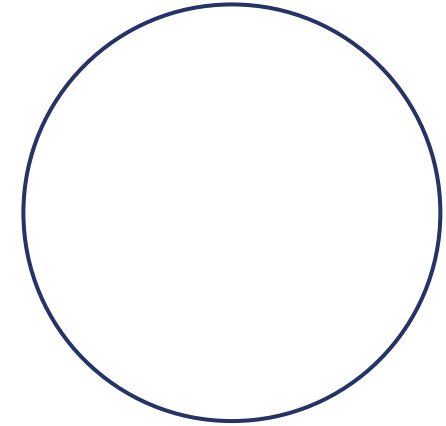
Congratulation to our Early Stage Researcher

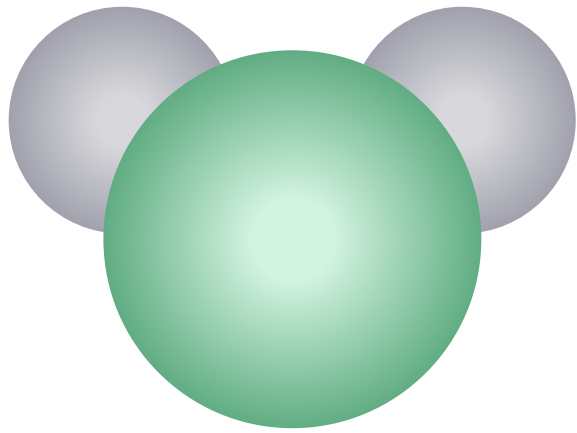
Darcy van Eerten

for completing their PhD thesis on the topic of

**Multi-element ultra-trace detection
of radionuclides in environmental samples**

within the LISA Marie Skłodowska Curie Action Innovative Training Network 861198



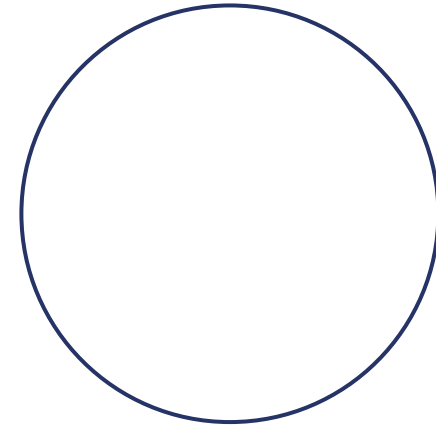


Congratulation to our Early Stage Researcher

Mia Au

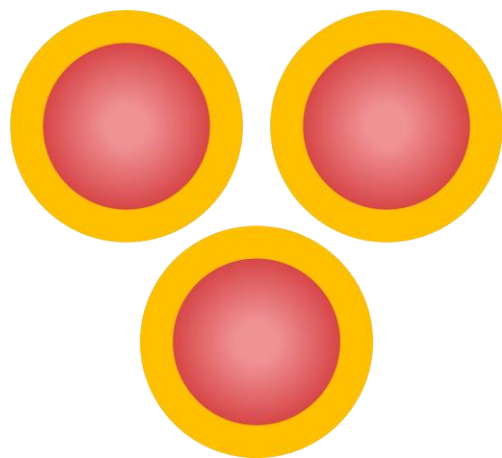
for completing their PhD thesis on the topic of

**Production of actinide atomic and
molecular beams at CERN-ISOLDE**



within the LISA Marie Skłodowska Curie Action Innovative Training Network 861198



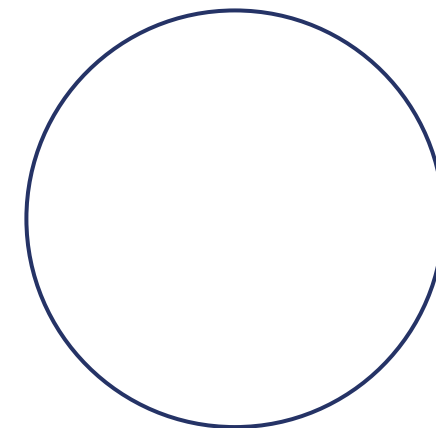


Congratulation to our Early Stage Researcher

Jessica Warbinek

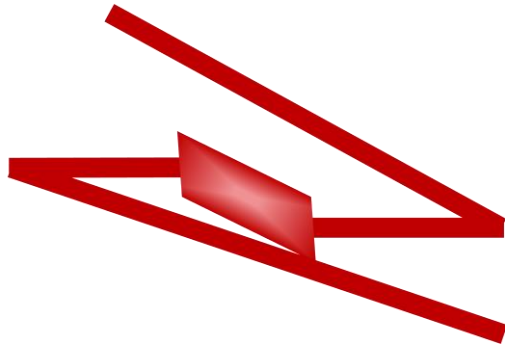
for completing their PhD thesis on the topic of

**Probing the nuclear structure of fermium
by laser spectroscopy**



within the LISA Marie Skłodowska Curie Action Innovative Training Network 861198





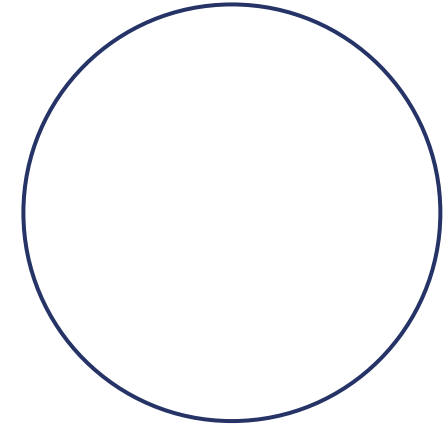
Congratulation to our Early Stage Researcher

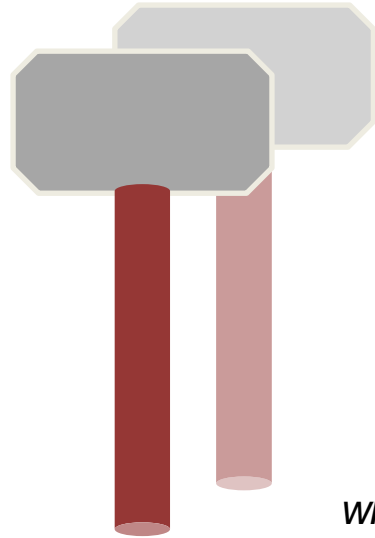
Anjali Ajayakumar

for completing their PhD thesis on the topic of

**In gas jet laser spectroscopy optimization
for high resolution measurement of actinides**

within the LISA Marie Skłodowska Curie Action Innovative Training Network 861198





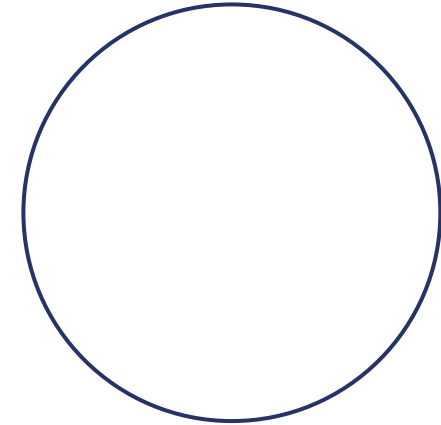
Congratulation to our Affiliate

Arno Claessens

for completing their PhD thesis on the topic of

**Laser ionization spectroscopy of ^{254}No
and ^{229}Th in hypersonic gas jets**

within the LISA Marie Skłodowska Curie Action Innovative Training Network 861198



Two more affiliates whom we would like to honour

Dr Steven Nothhelfer

Advances in laser spectroscopy of superheavy elements:

Resonance ionization spectroscopy on $^{253,254,255}\text{Es}$ and a new gas-jet based high-resolution spectroscopy setup



Dr Elisabeth Rickert

Laser spectroscopy of fermium isotopes and development of an actinide ion mobility spectrometer



... and all our ESRs present today!

- Jake Johnson
- Asar Jaradat
- Andrea Raggio
- Magda Kaja
- Miranda Nichols
- Fedor Ivandikov
- Julius Wessolek
- Joseph Andrews
- Mitzi Urquiza

Let us commemorate our last event!

