



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA VISOKO ŠOLSTVO,
ZNANOST IN INOVACIJE

Okrogla miza: izkušnje pri razvoju raziskovalne kariere z izvajanjem pridobljenih projektov ERC (v angleščini)



doc. dr. Lea Rems

Fakulteta za elektrotehniko UL



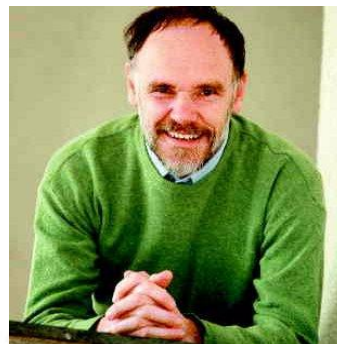
doc.dr. Saša Čaval

Znanstvenoraziskovalni center Slovenske akademije znanosti in umetnosti



doc.dr. Matjaž Humar

Inštitut Jožef Stefan



Prof. dr. Roman Jerala

Kemijski inštitut



dr. Angela Wittelsberger

ERCEA



**MREŽA
NACIONALNIH
KONTAKTNIH TOČK**
Obzorje Evropa



NAČRT ZA
OKREVANJE
IN ODPORNOST



Financira
Evropska unija
NextGenerationEU



Doc. dr. Lea Rems

Fakulteta za elektrotehniko, UL



ERC Project:

- StG 2023: REINCARNATION — Reversible and irreversible cardiac electroporation: Establishing the fundamentals to advance cardiac treatments



Take time to think about the design of the project and be open to change the design multiple times.
A competitive project design does not develop overnight.



Doc. dr. Saša Čaval

Znanstvenoraziskovalni center Slovenske akademije znanosti in umetnosti



ERC Project(s):

- CoG 2022: STONE – Unde venis? Unraveling the enigma of stećci tombstones



3 turning points for an ERC project

- Keywords > PANEL
- Narrative > INNOVATION
- Know the project inside-out > YOUR DREAM



Doc. dr. Matjaž Humar

Inštitut »Jožef Stefan«



ERC Project(s):

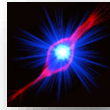
- StG 2019: Cell-Lasers – Intracellular lasers: Coupling of optical resonances with biological processes
- CoG 2024: SoftQuanta – Soft and biological quantum light sources
- PoC 2024: EdibleLasers – Edible lasers for safety and authentication of food and pharmaceuticals



Four ERC interviews



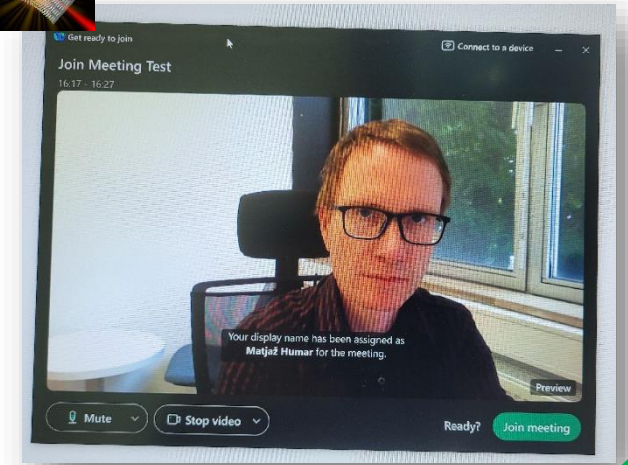
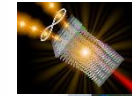
2017 (EdiblePhot)



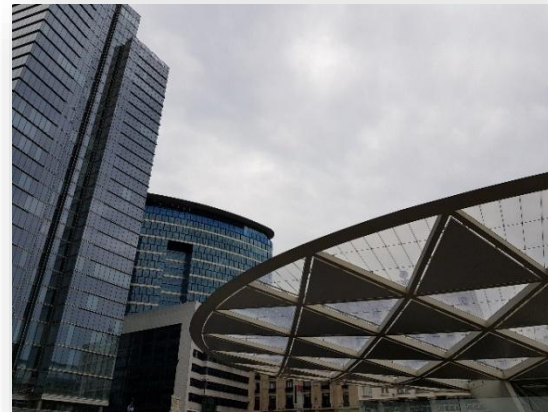
2018 (Cell-Lasers)



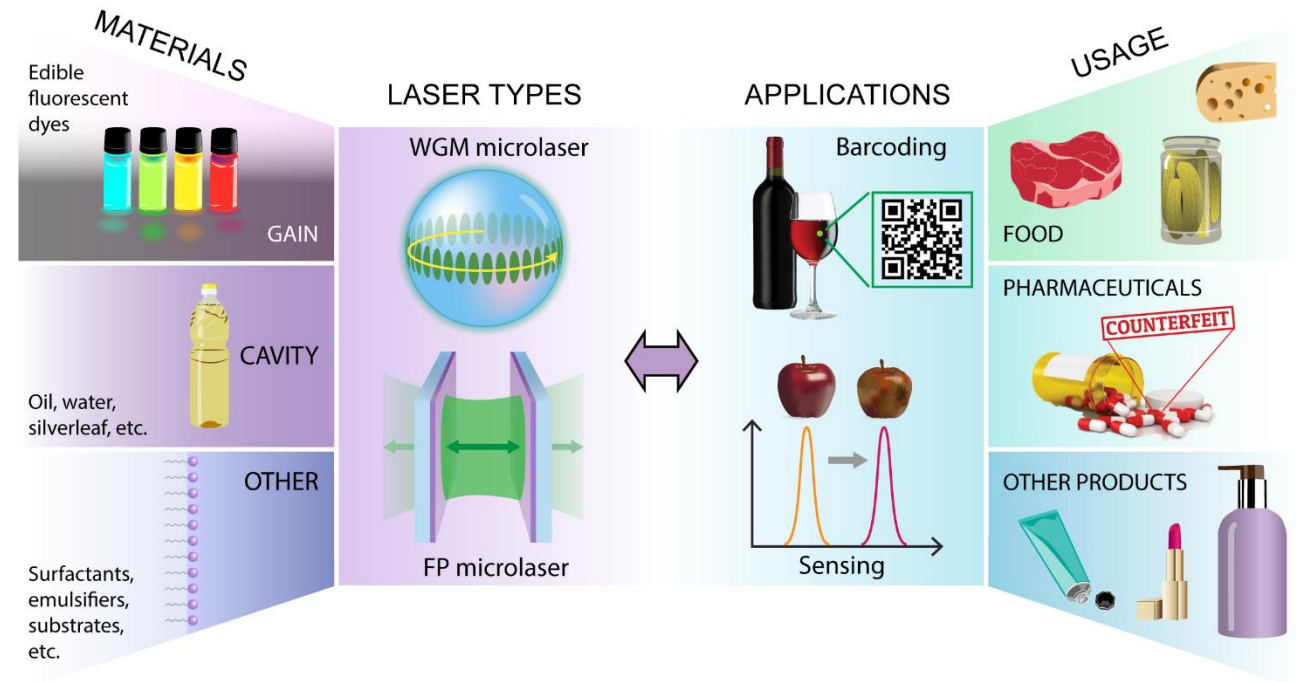
2019 (Cell-Lasers)



2024 (SoftQuanta)



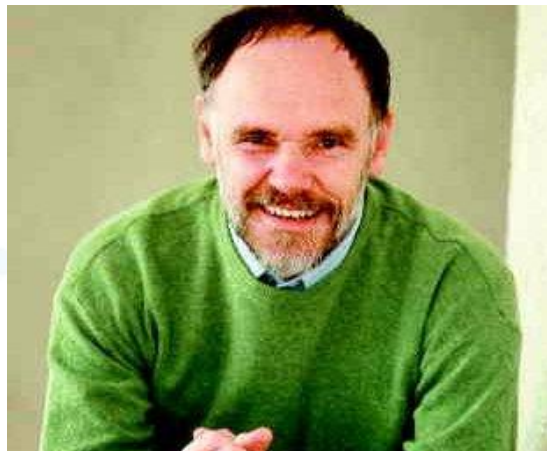
Unsuccessful ERC StG – successful ERC PoC



ERC Proof of Concept - EdibleLasers
Edible lasers for safety and authentication of food and pharmaceuticals

Prof. dr. Roman Jerala

Kemijski inštitut



ERC Project(s):

- AdG 2023: PROFI – Protein function regulation through inserts for response to biological, chemical and physical signals
- PoC 2019: CCedit – Coiled-coil mediated exonuclease tethering technology for the enhancement of CRISPR gene edition
- AdG 2017: MaCChines -Molecular machines based on coiled-coil protein origami



Prof. dr. Roman Jerala

Kemijski inštitut

- Excellent Scientific Track record & visibility in the field
- Original idea – not just a routine continuation of the ongoing work
- Convincing preliminary results to demonstrate that the idea is feasible
- Clear presentation of the idea and workplan also for nonspecialists



Dr. Angela Wittelsberger

vodja sektorja na enoti za vede o življenju, ERCEA



At the ERCEA from:

2018

Main tasks of Head of Sector in the Scientific Department:

- Implements the strategic decisions made by the Scientific Council (e.g. lump sums, ERC plus)
- Oversees evaluations StG, CoG, AdG
- Is present during panel meeting weeks as contact point for panel teams
- Intervenes if difficult situations arise during panel meetings
- Provides guidance to panels and Scientific Officers (e.g. on conflict of interest situations)



Dr. Angela Wittelsberger

vodja sektorja na enoti za vede o življenju, ERCEA



When you have an exciting idea for an ERC project, don't wait for strategic reasons, but simply go for it!

Re-applications have a higher success rate!

Slovenian PI's do not receive lower scores than UK, DE, NL or others!

“Test” your proposal with peers and mentors, it takes time and several rounds of re-writing!

