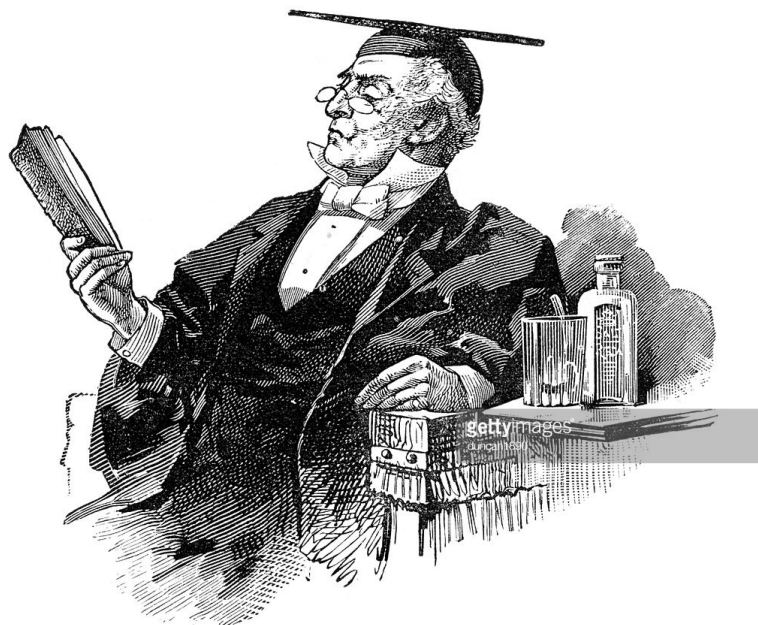


Training camp 2024

The Art of Giving a Popular Science Talk
May 10 - 11, 2024

Voore guesthouse





This is the version of the booklet for print use. The website of the event can be found at <https://kodu.ut.ee/~olli/dokonv2024.html>

The open-source \LaTeX template, `AMCOS_booklet`, used to generate this booklet is available at https://github.com/maximelucas/AMCOS_booklet



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About



Why we do it?

Most of us burn a lot of tax-money to do our research. The society has a legitimate right to know what we do. They want to know — why is the world a better place to live in, once you accomplish your PhD project. Yet to explain the apparently simple thing to the society may not be a trivial task.

As scientists we are obliged to explain complicated phenomena with simple terms. What we commonly do is the opposite — explain even the simplest things through ridiculously complicated wording. Yet we can get better — by training, training, training

If we succeed to spread our word, ideas, the usefulness of our projects in the society — the society by large will become more willing to pay for our fun.

Why the rat-race?



Please try hard to improve your talk skills. Here, every talk will be evaluated by 3 equally weighted criteria:

1. It has to be interesting
2. It has to be comprehensible
3. Your artistic skills (e.g. your voice, pace, articulation, hand- and footwork, font and color selection on slides, keeping time)

There are trade-offs between the criteria. If you discover that cold air is denser than warm air, it is easy to comprehend, but not particularly novel or interesting.

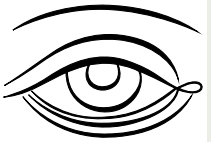
To qualify for a rat-race — the top 3 speakers will get new laptops as awards!

A few more hints



- Know and feel your audience — this is definitely not your working group seminar. We just mere mortals.
- Avoid specific terms. If you have to — use as few as possible.
- Beginning is important — if you lose listeners in the beginning — likely you will not get them back.
- If suitable, begin with something that touches everyone (or most) personally. E.g. every 2nd will wear glasses, every 3rd will die of cancer.
- A cheap trick is to have a bit of apocalypse at the start — e.g. if flooding is your topic, start with images of drowning people in south Asia.

No hard feelings



Chances are that some of you will learn nothing. Those win the laptops, but they learn nothing.

Yet the biggest winners are the losers — we often learn through failures.

As stated in the novel “A good year” by Peter Mayle — “You’ll come to see that a man learns nothing from winning. The act of losing, however, can elicit great wisdom”

Organizing committee

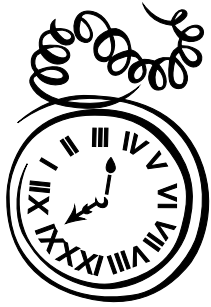


Kalle Olli et Co.

Estonian University of Life Sciences
Institute of agricultural and environmental sciences
Department of hydrobiology and fisheries

University of Tartu
Institute of ecology and earth sciences
Department of botany

Timetable



CS – Institute of Computer Science
 GEN – Institute of Genomics
 OMI – Institute of Ecology and Earth Sciences
 MCB – Institute of Molecular and Cell Biology

PHYS – Institute of Physics
 CHEM – Institute of Chemistry
 OBS – Tartu Observatory
 TECH – Institute of Technology

MED – Institute of Biomedicine and Translational medicine,
 PKI – Institute of Agricultural and Environmental Sciences
 VET – Institute of Veterinary Medicine and Animal Sciences
 FOR – Institute of Forestry and Engineering

IS – Invited Speaker

Friday, 19 of May

9:00	Ärasõit, Vanemuise 46, Tartu Departure, Vanemuise 46	
9:50	Kondisirutus. Majutumine Light refreshments, find you room	
10:20	Sissejuhatus, mängureeglid Intro, housekeeping	
10:30–11:20	IS	Gleb Maltsev Case Training — the Anatomy of a Perfect Talk
11:20–11:40	GEN	Kateryna Pantiukh Hidden Bacteria Shape Your Health
11:40–12:00	TECH	Ismail Sarigül Survival of The Invader Inside of Our Immune Cells
12:00–12:20	OMI	Philemon Gyamfi Multi-trophic interactions in novel ecosystems
12:20–12:40	PHYS	Francis Gracy Arockiaraj Computational Imaging through Optical Chaos
12:40–13:00	PKI	Margret Jürison Exploring insect respiration for a better world
13:00–13:40	Lunch	
14:40–15:00	VET	Monica Nabil Gayed Ibrahim Realizing the market demand for functional clean-label oat beverage

15:00–15:20	MED	Srirathi Muthuraman	Exploring Negr1's Molecular Pathways in Mice Models
15:20–15:40	PHYS	Shivasubramanian Gopinath	Hybrid Imaging Method for Digital Time Traveling
15:40–16:00	FOR	Mari-Liis Siller	The biodiversity of spruce-birch mixed stands and monocultures planted on previous agricultural land
16:00–16:20	FOR	Viveka Balasundararajan	Levoglucosan to biochemicals — production, separation and microbial valorisation
16:20–16:40	OMI	Jürgen Sarjas	Environmental science into profit
16:40–17:00	Water, coffee, stretching		
17:00–17:20	PHYS	Narmada Joshi	Six dimensional (3D space, spectrum polarization, time) sensing
17:20–17:40	OMI	Toivo Ylinampa	The Höskä!
17:40–18:00	CS	Maarja Pajusalu	Medical data analysis and visualisation
18:00–18:20	FOR	Sharib Khan	If not fossil fuels, then what?
18:20–19:20	ÖHTUSÖÖK DINNER		
19:20–	SOTSIALISEERUMINE SOCIALIZING		



Saturday, 20 of May

08:30–09:20	HOMMIKUSÖÖK BREAKFAST	
09:20–09:40	MCB	Harleen Kaur Testing of Antimicrobial Surfaces in Realistic Environmental Conditions!
09:40–10:00	VET	Seyed Omid Reza Mousavi Baby feels mother's stress
10:00–10:20	VET	Subhashini Muhandiram Do embryos talk?
10:20–10:40	PHYS	Agnes Pristy Ignatius Xavier Heat Waves for Cancer Diagnosis
10:40–11:00	OMI	Farah Shafiq Fun homes project
11:00–11:20	Water, coffee, stretching	
11:20–11:40	TECH	Ritu Ghosh Plasmid On Demand Platform for Antibiotic Free Production of Proteins
11:40–12:00	PKI	Aki Kadulin To be specified
12:00–12:20	VET	Chanaka Premathilaka To be specified
13:00–14:00	Lunch	
14:00–15:00	Aftermath	

List of Participants

Kateryna Pantiukh
Markus Haug
Ismail Sarigül
Philemon Gyamfi
Francis Gracy Arockiaraj
Margret Jürison
Srirathi Muthuraman
Shivasubramanian Gopinath
Srirathi Muthuraman
Harleen Kaur
Akmal Kosimov
Mari-Liis Siller
Viveka Balasundararajan
Jürgen Sarjas
Narmada Joshi
Toivo Ylinampa
Maarja Pajusalu
Monica Nabil Gayed Ibrahim
Sharib Khan
Seyed Omid Reza Mousavi
Chanaka Premathilaka
Subhashini Muhandiram
Agnes Pristy Ignatius Xavier
Riinu Kaasik
Mukadder Evin Paczkowska
Lauri Saks
Friedrich Kaasik
Farah Shafiq
Pilleriin Teras
Aki Kadulin
Jhalak Sethi
Ritu Ghosh
Deep Bhattacharya
Mahvish Faisal
Mart Hovi

Külli Hovi

Maria Cristina Marques

Useful Information

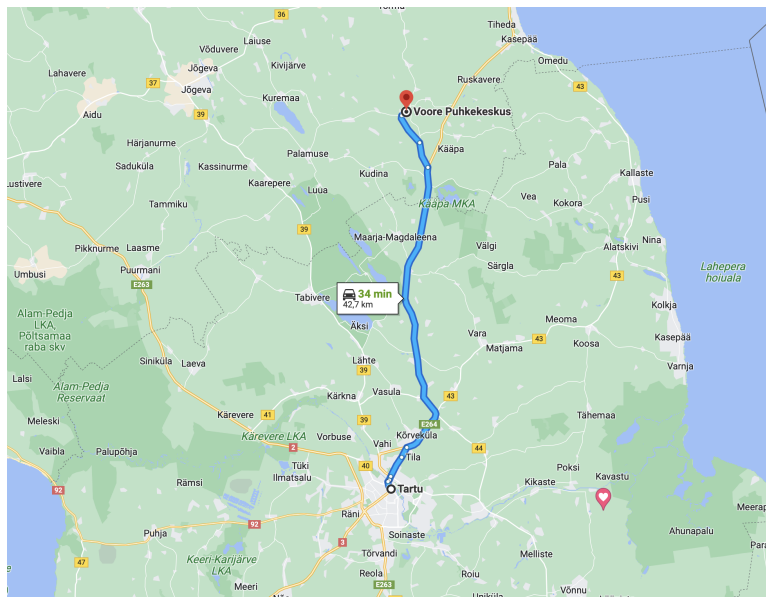
Talks will be held at the **Conference Hall-Auditorium** of Voore guesthouse, situated on the first floor. There will be a standard slide projector. You may be able to plug on your own laptop, or use usb-stick to get your talk to the presentation laptop. Presentations which require heavy bandwidth (slides are on the web) are probably possible, but discouraged.

Coffee breaks and lunches will be served in the conference hall.

Wi-Fi was OK a few years ago, hopefully also now. After the dinner our main duty is to get to know each other, socialise and discuss the talks.

How to get to the Voore Guest House?

Voore Guest house is conveniently close to Tartu, but far enough so that you can't escape by foot in the evening. **By car from Tartu** — follow Narva highway for 36 km until the sign indicates Voore Guest House 6 km. Then drive to Voore, over the bridge and you will see the sign Voore Guest House 0.6 km.



Partner Institutions and Sponsors

The event is sponsored by:

- Projekt "Ülikoolide koostöö doktoriõppe edendamisel"
- Eesti Maaülikooli / Estonian University of Life Sciences
- Tartu Ülikool, Loodus ja täppisteaduste valdkond / Tartu University, Faculty of Science and Technology
- Kalle Olli – personal funds and time

Sponsors



Kaasrahastanud
Euroopa Liit



Eesti
tuleviku heaks

