

- 15:00 Opening**
Tommi Mäkelä, iCANDOC director
- Welcome to the doctoral pilots at the University of Helsinki**
Anu-Katriina Pesonen,
Vice Dean in charge of Doctoral Education, Faculty of Medicine
- 15.10 Welcome to the iCANDOC and the larger iCAN community**
Tommi Mäkelä, iCANDOC director
- 15.20 Integrating doctoral pilots to doctoral education at the University of Helsinki**
Sini Karppinen and Tiina Ahonen,
University of Helsinki Doctoral School

- 15:30 Presentations of initiating iCANDOC projects**
- Deciphering the oncogenic potential of transcription factor gene fusions in cancer***
Andrea Cerullo
Supervisor Markku Varjosalo (HiLIFE)
- From Neurons to Neoplasms - Bridging Neurodevelopmental Mechanisms and Cancer Pathology through Advanced Cellular Imaging***
Kavya Kalpana Ganesh
Supervisor Helena Kilpinen (HiLIFE)
- Contribution of nephron progenitor dysregulation in Wilms tumor and tumorigenic properties of regenerative Acomys***
Julia Koivula
Supervisors Satu Kuure (HiLIFE) and Niklas Pakkasjärvi (HUS Helsinki University Hospital)
- The germline genetic risk factors in uveal melanoma***
Manisai Vallapu
Supervisors Joni Turunen (Faculty of Medicine) and Tero Kivelä (Faculty of Medicine)
- Role of Bacterial Infection in the Accumulation of the Antimicrobial Peptide Amyloid-β***
Lilith Heiland (ImmuDocs Doctoral Pilot)
Supervisor Karita Haapasalo (Faculty of Medicine)
- 15:55 Closing and Group photo**
- 16-17 Networking and mingling with refreshments and snacks**



Doctoral pilots in Finland 2024-2027: unique investment in training the next generation

University of Helsinki positions

Consortium	Positions total	Funding (€)
Circular Materials Bioeconomy Network: From bio-based resources to advanced materials	67	17 085 000
Digital Waters Doctoral Education Pilot	60	15 300 000
Doctoral Education Pilot for Mathematics of Sensing, Imaging and Modelling	100	25 500 000
iCANDOC → Doctoral Education Pilot in Precision Cancer Medicine	152	38 760 000
EDUCA Flagship doctoral school pilot project	78	19 890 000
FCAI → Finnish Doctoral Program Network in Artificial Intelligence	100	25 500 000
ImmuDocs → National Doctoral Education Pilot based on Immune system	81	20 655 000
PREIN Doctoral education pilot	72	18 360 000
Quantum	90	22 950 000

122

20

10



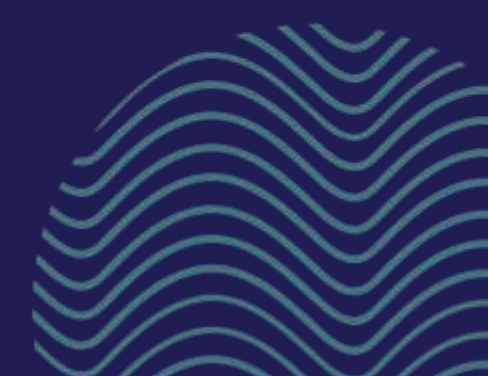
WELCOME TO THE DOCTORAL PILOTS AT THE UNIVERSITY OF HELSINKI

*Anu-Katriina Pesonen
Vice Dean in Charge of Doctoral Education
Faculty of Medicine*



Welcome to iCANDOC and the iCAN community

Tomi Mäkelä, iCANDOC Director



Doctoral pilots in Finland 2024-2027: Linked with national RDI flagships

University of
Helsinki
positions

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iCAN

iCANDOC

FCAI

FCAI

ImmuDocs



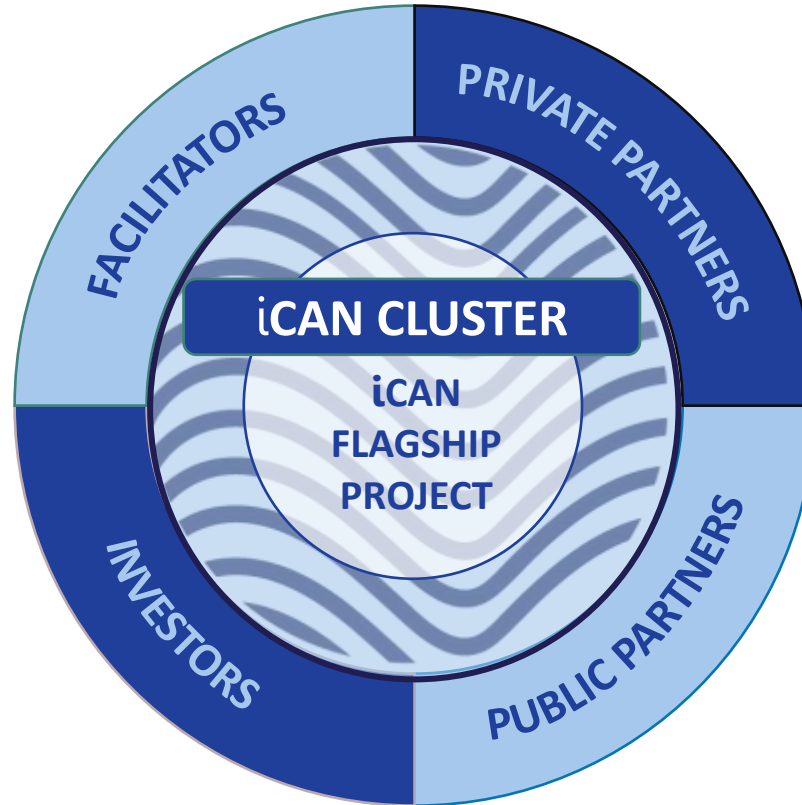
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iCAN: Academy of Finland Flagship

Academy of Finland
Flagship Programme
aims to develop
competence clusters
based on outstanding
research



iCAN Competence Cluster

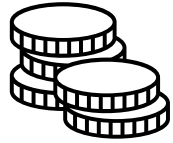
- >120 Research Groups
- Turnover > 30 M€/year
- Public & private partnerships forming a dynamic ecosystem

iCAN Flagship Project

- Prospective study of 10 000 cancer patients
- Identifying new targets at interface of tumor & host
- Linking tumor molecular profile & health data



iCAN impact 2019-2022



International funding
33 M€



155 (1879)
Publications with
>33 000 citations



115
PhD
graduations



3
New ERC grants



5
New tenure
track positions



231
Jobs created (91
international
recruitments)



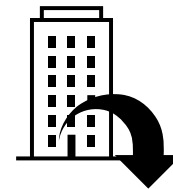
6
patents



52
invention
disclosures



4
licenced
technologies



69
company
collaborations
and one spin-off



72 779
citizens
reached
with iCAN
events



Dissemination to
the public
(twitter, blogs,
articles in public
newspapers)



Welcome to the iCAN Community



A dark blue banner with a network of light blue dots and lines. The text "iCAN retreat 3.10.2024" is written in white, bold, sans-serif font.

iCAN retreat 3.10.2024

ican.fi/retreat2024/

What: iCAN retreat is an **internal iCAN meeting** with a keynote talk by Fox Chase Cancer Center Director Jonathan Chernoff, PhD, presentations from the iCAN subprojects and affiliated studies, a poster session, and social activities. Come and share your research and strengthen your networks within the iCAN community!

When: Thursday 3.10.2024

Where: [Hilton, Helsinki, Kalastajatorppa, Conference and Events Center](#), Kalastajatorpantie 1, 00330 HELSINKI, and online.

Registration

iCAN retreat is **an internal event** for iCAN Flagship Project researchers and board members, and the students of the doctoral education pilot iCANDOC.

Register [here](#) latest on 16.9.2024.

iCANDOC doctoral researchers @UH

- 2 campuses
- 4 faculties/units
- 8 doctoral programs
- 51 main supervisors (108 total)
 - Most iCAN affiliated
- Many backgrounds: translational medicine, biology, medicine, data science, pharmacy, etc

Faculty/Unit	iCANDOC
Faculty of Medicine	49
HiLIFE	16
Faculty of Pharmacy	8
Faculty of Biological and Environmental Sciences	5
All	78

iCANDOC Doctoral pilot researchers, spring call 2024			
The Doctoral Programme in Clinical Research	KLTO	7	9 %
The Doctoral Programme in Oral Sciences	FINDOS	0	
The Doctoral Programme in Biomedicine	DPBM	43	55 %
Doctoral Programme in Population Health	DocPop	2	3 %
The Doctoral Programme in Human Behaviour	DPHub	0	
Doctoral Programme in Integrative Life Science	ILS	12	15 %
Doctoral Programme in Drug Research	DPDR	11	14 %
The Doctoral Programme Brain & Mind	B&M	1	1 %
The Doctoral Programme in Microbiology and Biotechnology	MBDP	1	1 %
NA		1	1 %
All		78	

* Tentative, 08/2024

iCANDOC partners & objectives

Funded consortium partners:

University of Helsinki (coordinator) 

University of Eastern Finland 

University of Oulu 

Tampere University 


University of Turku 

Other consortia partners:

HUS Helsinki University Hospital 

Wellbeing services counties of Pohjois-Savo 

Pohjois-Pohjanmaa 

Pirkanmaa 

Southwest Finland (VARHA) 



Industry & third sector:

Pharma Industry Finland 

Healthtech Finland 

Finnish BioIndustries 

Finnish Cancer Institute 

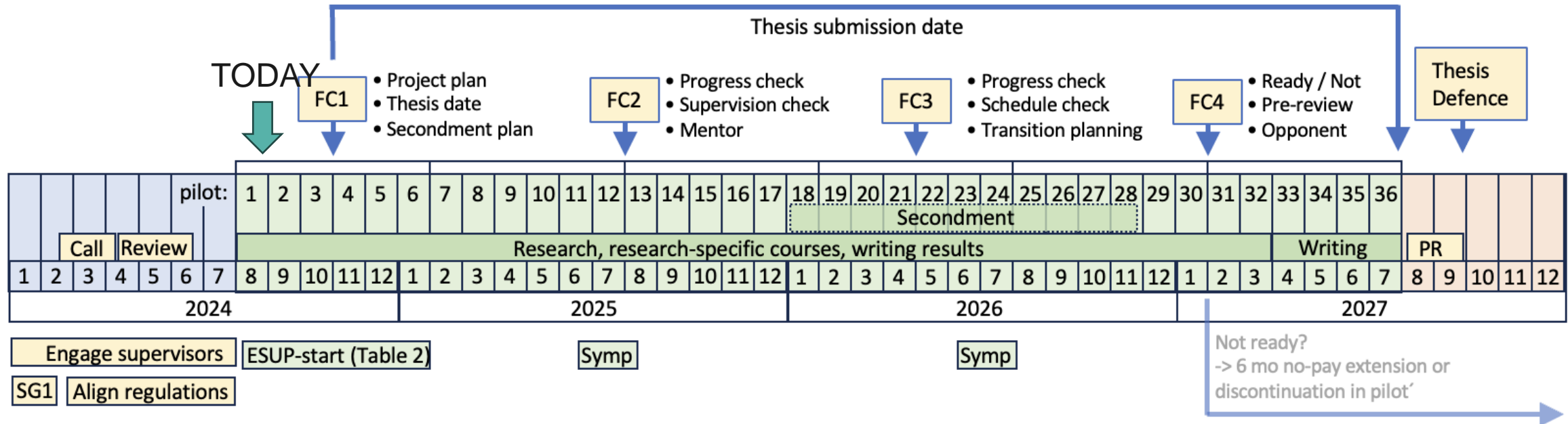
OBJECTIVES:

1. Deliver 152 PhDs (or equivalent) in cancer/digital/precision medicine to answer the acutely growing need in both public and private health care sector and companies
2. Develop and test a new flexible program for 3-4 year doctorates
3. Increase mobility of trainees among partners and smooth transitions to multiple career tracks
4. Develop supervision practices and initiation of doctoral studies during MD / Master's studies

iCANDOC National Steering Group

- representation of all consortium partners.
- oversees execution of the pilot together with doctoral education bodies

iCANDOC 3-year doctoral pilot schedule (in application)



- iCANDOC doctoral candidates are encouraged to spend a couple of months working with one of the iCANDOC partners or company affiliates (iCANDOC members). There are many different options for these secondments, and can be related to the PhD project, or just to gain working experience and exposure to a company environment.
- The company partner can be part of the follow up committee.

1. For iCANDOC Doctoral Researchers

- Doctoral School events as indicated (5.9 and Base Camps)
- iCAN Retreat 3.10
- Follow iCANDOC ican.fi/icandoc for developments and contacts
- LinkedIn and X @iCAN_Finland, Please **#iCANDOC #iCANCommunity**

2. For iCANDOC Supervisors

- iCANDOC fall call 27.8.-9.9.
- iCAN Retreat 3.10

3. At University of Helsinki

- iCANDOC UH Steering Board decisions on curriculum, governance & fund use
- Staff: Tomi Mäkelä (Director), Mila Hyytinen (Coordinator), hiring Director and Scientific Coordinator

4. In iCANDOC national program

- National Steering Group convenes to discuss shared practices and facilitating partnerships and secondments

University of Helsinki iCANDOC Steering Board

Anu-Katriina Pesonen	Faculty of Medicine
Johanna Arola (Henna Tynismaa)	Faculty of Medicine
Jari Yli-Kauhaluoma (Mikko Airavaara)	Faculty of Pharmacy
Juha Voipio (Craig Primmer)	Faculty of Biological and Environmental Sciences
Jari Koistinaho	HiLIFE
Satu Mustjoki	iCAN
Liisa Kauppi	Doctoral Programmes
Tomi Mäkelä	iCANDOC

iCANDOC Director

Tomi Mäkelä

iCANDOC Coordinator

Mila Hyytinen, icandoc-info@helsinki.fi

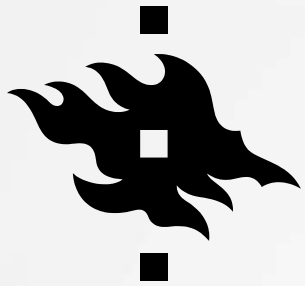
National iCANDOC Steering Group

Johanna Arola (Jari Koistinaho)	University of Helsinki
Johanna Mattson	HUS Helsinki University Hospital
Jorma Palvimo	University of Eastern Finland (UEF)
Jussi Koivunen	University of Oulu (UO)
Pia Vihinen	VARHA
Matti Nykter	University of Tampere (TUNI)
Panu Jaakkola	University of Turku (UTU)
Teemu Murtola	PIRHA (Pirkanmaa/Tampere region)
Outi Kuittinen	PSHVA (North Savo)
Jussi Koivunen	POHDE (Ostrobothnia)
Pauliina Ehlers	Pharma Industry Finland (PIF)
Saara Hassinen	Healthtech Finland / Terveysteknologia ry
Alexandra Peth	Finnish BioIndustries (FIB) / Suomen Bioteollisuus ry
Tiina Vesterinen	Finnish Cancer Institute



DOCTORAL EDUCATION PILOT

Welcome event for Meilahti Pilots, August 26th 2024

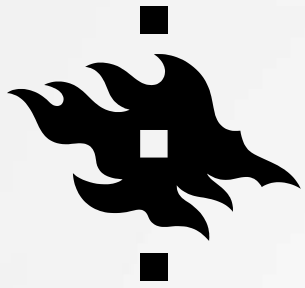


PILOT CONSORTIA AND DOCTORAL RESEARCHER POSITIONS AT UH

Pilot consortium

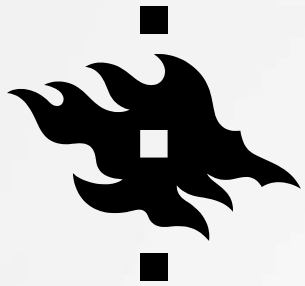
Doctoral researcher positions

Circular Materials Bioeconomy Network: From bio-based resources to advanced materials	6
Doctoral Education Pilot for Mathematics of Sensing, Imaging and Modelling	17
Doctoral Education Pilot in Precision Cancer Medicine, UH as co-ordinating university	122
Doctoral pilot in software engineering	5
EDUCA Flagship doctoral school pilot project	22
Finnish Doctoral Program Network in Artificial Intelligence	20
Graduate school in particle and nuclear physics	7
Interdisciplinary Doctoral School of Social Services	6
Kestävyysmurros (Sustainability Transformations)	4
National Doctoral Education Pilot based on Immune system	10
Quantum	17
TOTAL	236



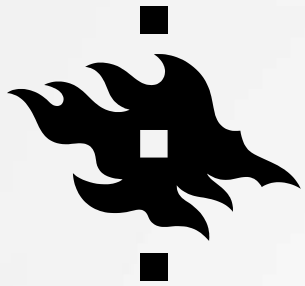
AIMS OF THE DOCTORAL PILOT (CALL TEXT)

- Increase the number of doctors in Finland, taking into account the security of supply of expertise
- Pilot a more flexible process and content of doctoral education
- Increase the mobility of doctoral candidates between universities, companies, research institutes and other organisations and encourage newly graduated doctors to pursue diverse research careers
- Produce information on the processes of doctoral education and collect information on the possible need for regulation of third-cycle degree periods
- Develop supervision practices and the integration of scientific and artistic postgraduate studies into previous studies (incl. the possibility to complete a master's degree during doctoral research)
- Increase the employment of doctors widely in different sectors of society



UH DOCTORAL SCHOOL'S ROLE IN THE PILOT

- Organizes the call for salaried doctoral researcher positions
 - Fall call is open 27.8.-9.9.
- Organizes transferrable skills training for all doctoral researchers
 - Base Camps: researcher skills and working life skills, 10 ECTS
- Monitors the progress of doctoral researchers
 - Orientation events and materials, thesis committee instructions
- Organizes events supporting supervision
 - Supervisor training
- Coordinates the pilot as whole and reports to the ministry



iCANDOC, IMMUDOC AND FCAI POSITIONS AND STUDY RIGHTS

- iCANDOC has 122 positions in total, and the spring call 78 were selected.
- Immudocs has 10 positions in total, and in the spring call 9 were selected.
- In addition to this, two positions in FCAI were selected for the medical fields.
- Many doctoral programmes are involved and selected candidates have/will have study right in the following programmes.
 - DP in Biomedicine: 48
 - DP in Clinical Research: 7
 - DP Integrative Life Sciences: 14
 - DP Brain&Mind: 3
 - DP in Population Health: 3
 - DP in Drug Research: 11
 - DP Microbiology and Biotechnology: 2



IMPORTANT EVENTS AND PERSONS

- Walk-in orientation information session in Meilahti on September 4th
- Orientation event on September 5th in Porthania. All doctoral researchers and supervisors are welcome!
- Apply for study right! Application open 4.-17.9.
- Base Camps in October and November
- Pilot contact person: Tiina Ahonen and Sini Karppinen doctoralpilot@helsinki.fi
- Your doctoral programme senior advisors: Satu Helppolainen, Heidi Repo, Harri Mäcklin and Katri Wegelius meilahti-dp@helsinki.fi



#WeAreHelsinkiUni



15:30 Presentations of initiating iCANDOC projects

Deciphering the oncogenic potential of transcription factor gene fusions in cancer

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Supervisor Markku Varjosalo (HiLIFE)

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