

## Kyselylomake

Kyselylomakkeen kysymykset on listattu alle. Niissä kysymyksissä tai väittämissä jotka ovat muokattuina peräisin kirjallisuudesta on lähdeviite mainittu. Loput kysymykset tai väittämät ovat hankkeen tekijöiden luomia tätä hanketta varten.

### FICAN West Research Collaboration Survey

#### Section I: Your role and profile in research

*In this section we would like to know a bit of your own background and role in research.*

##### 1. How are you engaged in research at the moment?

*Select what describes your situation related to research.*

- I am continuously doing or leading research
- I do research myself occasionally or from time to time
- I am doing a doctoral thesis and related courses or tasks
- I am an undergraduate student (doing e.g. master's thesis) or a trainee with a linkage to a research group or project
- I am not personally a researcher but my work includes collaboration with researchers or supporting research activities
- Other: If your situation doesn't fit to any of above please comment here in your own words:

##### 2. Do you consider yourself as a member of a research group?

- No
- Yes, in a single group
- Yes, in several groups
- Other: If your wish to comment in your own words
- more specifically, you can do it here:

##### 3. How long have you altogether worked at (any) university or hospital?

*Please include here any kind of work experience in university or hospital including time spent for doctoral studies (but not undergraduate studies)*

- less than 5 years
- 5-10 years
- 11-20 years
- over 20 years
- I'm an undergraduate student (trainee etc.)

##### 4. How would you categorize yourself and your work on the so called "from lab to bedside" scale?

*Consider your main work tasks and research profile around the last 1-3 years how are you positioned in respect to basic research and clinical research and work. Select all that apply.*

- I am doing basic research
- I am doing translational research
- I am doing clinical research
- I am doing patient care
- I provide methodological or technical support for any research
- Other: if you wish to give additional descriptions or explanations you can type
- it in the box in your own words:

**5. In the last 12 months, how did you allocate your time between different research tasks and non-research tasks? Answer by giving proportions (%), please.**

- Other tasks than directly research-related work (clinical work, administrative work etc.)
- Research tasks: Research preparation/applications (planning and discussing on new proposals, writing applications, research infrastructure tasks etc.)
- Research tasks: Core research work (reviewing literature, data collection & analysis, writing research papers, supervising theses etc.)
- Research tasks: Dissemination or application of research results (presentations, public media, commercialization planning)

**6. In the last 12 months, how was your time spent in research allocated to in relation to collaborating with different kind of partners? Answer by giving proportions (%), please.**

- Working alone or with closest colleagues from your own unit/department
- Collaborating with people from units/departments outside my own unit/department within University of Turku
- Collaborating with people from units/departments outside my own unit/department within the Turku University Hospital
- Collaborating with people from any other universities in Finland
- Collaborating with people from any other hospitals in Finland
- Collaborating with people from companies or other private organizations in Finland
- Collaborating with people from any organizations abroad

(adapted from Lee & Bozeman 2005, Iglic et al. 2017)

**7. When thinking of your own working habits in research collaboration, how well do you agree with the following statements:**

*Scale: Strongly disagree / Agree / Neither agree nor disagree / Agree / Strongly agree*

- I provide new ideas to improve my unit's/department's performance (Soda et al. 2017)
- I suggest new ways to increase quality of my unit's/departments work and output (Soda et al. 2017)
- I come up with creative solutions to emerging problems (Soda et al. 2017)
- I suggest new ways of optimizing processes and routines (Soda et al. 2017)
- While seeking solutions I tend to use unproven ideas instead of tried and established methods (Bobic et al. 1999)
- I prefer working in short bursts of high intensity rather than long-term orientated work (Bobic et al. 1999)
- I am best described as commanding specialized knowledge over general knowledge (Bobic et al. 1999)
- Colleagues in my own unit/department often receive knowledge from me (Soda et al. 2017)
- Colleagues in other organizations often receive knowledge from me (Soda et al. 2017)
- I often receive knowledge from colleagues in my own unit/department (Soda et al. 2017)
- I often receive knowledge provided by colleagues in other organizations (Soda et al. 2017)

## **Section II: Your close work community**

*In this section we would like to know how you have experienced research collaboration among your own co-workers. Here we define co-workers as members of your own organization who you work with, or other (close) organization's representatives with whom you have an established, repetitive collaborative relationship.*

**8. Think of the different ways of collaboration related to research. How do you agree/disagree with the statements below:**

*Scale: Strongly disagree / Agree / Neither agree nor disagree / Agree / Strongly agree*

- The people I report to in my organization keep me informed of recent developments (Svelby & Simons 2002)
- Sharing of knowledge is encouraged in my experience in action and not only in words (Svelby & Simons 2002)
- It's encouraged to say what we think even if it means disagreeing with people we report to (Svelby & Simons 2002)
- I am encouraged to come up with innovative solutions to work-related problems (Svelby & Simons 2002)
- Open communication is encouraged in my work (Svelby & Simons 2002)
- I learn a lot from my co-workers (Svelby & Simons 2002)
- Combining knowledge amongst my co-workers has resulted in many new ideas and solutions (Svelby & Simons 2002)
- It is typical that my co-workers share success stories that may benefit me or my other colleagues (Yi 2009)
- It is typical that my co-workers reveal past personal work-related failures or mistakes to help others avoid repeating these (Yi 2009)
- In my work community there are often personal informal conversations (e.g. discussion in hallway, over lunch) which offer help and support (Yi 2009)
- My co-workers have on average very different and heterogeneous professional backgrounds compared to my own (Iglıc et al. 2017)
- In my work community introduction to new contacts or initiatives is usually dependent upon a few key individuals (Scarborough et al. 2014)
- In my work community people generally view their future opportunities and career positively

### **Section III: Research networks**

*In this section we would like to know how you have experienced research collaboration with external research partners (university or hospital researchers/research groups) outside your own organization in Finland or abroad (direct suppliers/contractors of your own organization are excluded here as research partners). With a research partner we refer to all individuals or organizations you collaborate with in research formally or informally.*

#### **9. During the last 12 months have you been in contact with research partners yourself directly or indirectly?**

- Yes, I have been in contact directly
- No, the contact has been indirectly carried out by other people
- Within the 12 months there hasn't been contacts with research partners

#### **10. In the research collaborations that are currently on-going or recently finished, which of the following activities have been carried out jointly with research partners?**

*Select all that apply. Please answer this regardless of the previous question, share your own view what is included in your unit's/department's research collaboration*

- joint applying of research funding
- sharing knowledge, advice or guidance across partners
- sharing of research equipment, materials or infrastructure
- sharing of data or databases
- planning and applying for research permissions
- activities related to patient specimens
- activities related to public visibility and dissemination
- carrying out complementary research tasks (e.g. doing particular analyses on behalf of a research partner)
- other: if you can't find a suitable activity above, please describe that yourself:

(adapted from Provan et al. 2015, Lam 2011)

**11. What was the reason for your recent collaboration with the external research partner(s)?**

*Select top 1 to 3 reasons in your opinion*

- they have complementary skills, materials or infrastructure that support me or my team
- they are similar in culture or language with me or my team
- they had a record of strong reliability and sticking to the schedules
- they have a high reputation in the scientific community
- the relationship with them is regarded high quality like e.g. having fun working together
- they are able to help our junior colleagues to advance their careers
- they improve abilities to address the most relevant scientific problems
- they provide feedback to basic research findings that could be applied for practical use
- they help and support with commercialization
- I have no external partners
- other reason(s), please describe:

(adapted from Provan et al. 2015, Lam 2011, Ambos et al. 2008)

**12. In the last 12 months, have you started to collaborate regularly with a new research partner (excluding short-term actions or acquaintances )**

- Yes
- No

**Section IV: Facilitation of research networks**

*In this section we would like to know your views on FICAN West. FICAN West (the Western Finland Cancer Centre) coordinates oncological treatment, research and training in Western Finland (Turku University Hospital, Satasairaala in the city of Pori, Vaasa Central Hospital and the University of Turku).*

**13. Overall, do you consider yourself belonging to the FICAN West network?**

- Yes
- No
- You may clarify or explain your answer here if you wish.

**14. Have you heard about or participated in the yearly interdisciplinary mentoring programme of FICAN West?**

- I have participated
- I am planning to participate in the future
- I have heard about it, but have not planned participating
- I have not heard about it