

POSTR is an online platform for science communication and networking which we will use to vote for the best poster at the annual CanCell retreat.

To register, please go to <https://www.my-postr.com> or follow this QR code:



If you are presenting a poster at the meeting, you should print your personal QR code to attach next to your poster to allow other users to vote for you. You can find your QR code on your POSTR profile page after creating a profile. There you will also find the Register for an Event button.

Event code: k5uwn

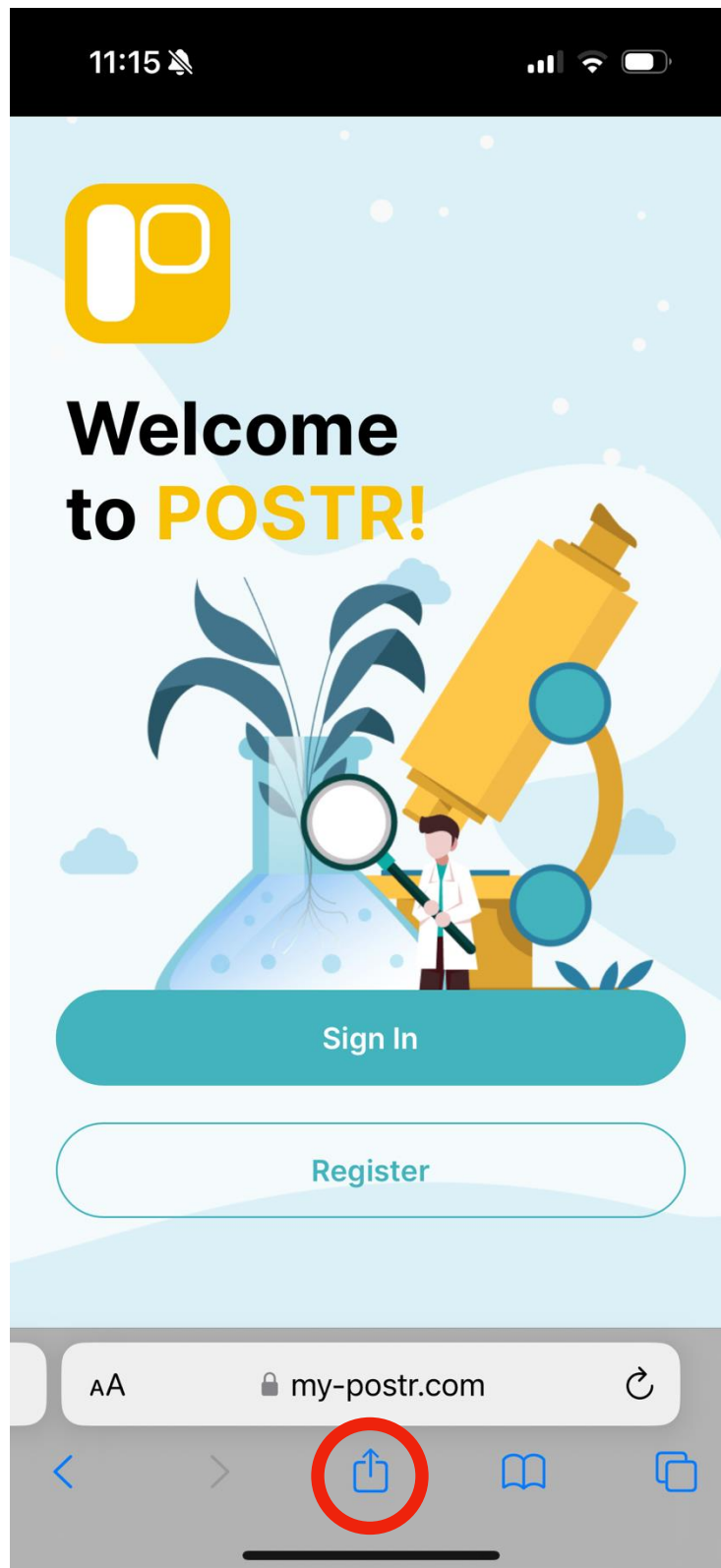
Note that you are required to upload at least one Display Item (a graphical abstract, an image, a movie, etc.) to complete the registration. Keep in mind that interesting Display Items will enhance your physical poster and might help you win the popular vote :)

See the following pages for a detailed explanation of how to install the app on your mobile device, how to create a profile and how to print your QR code.

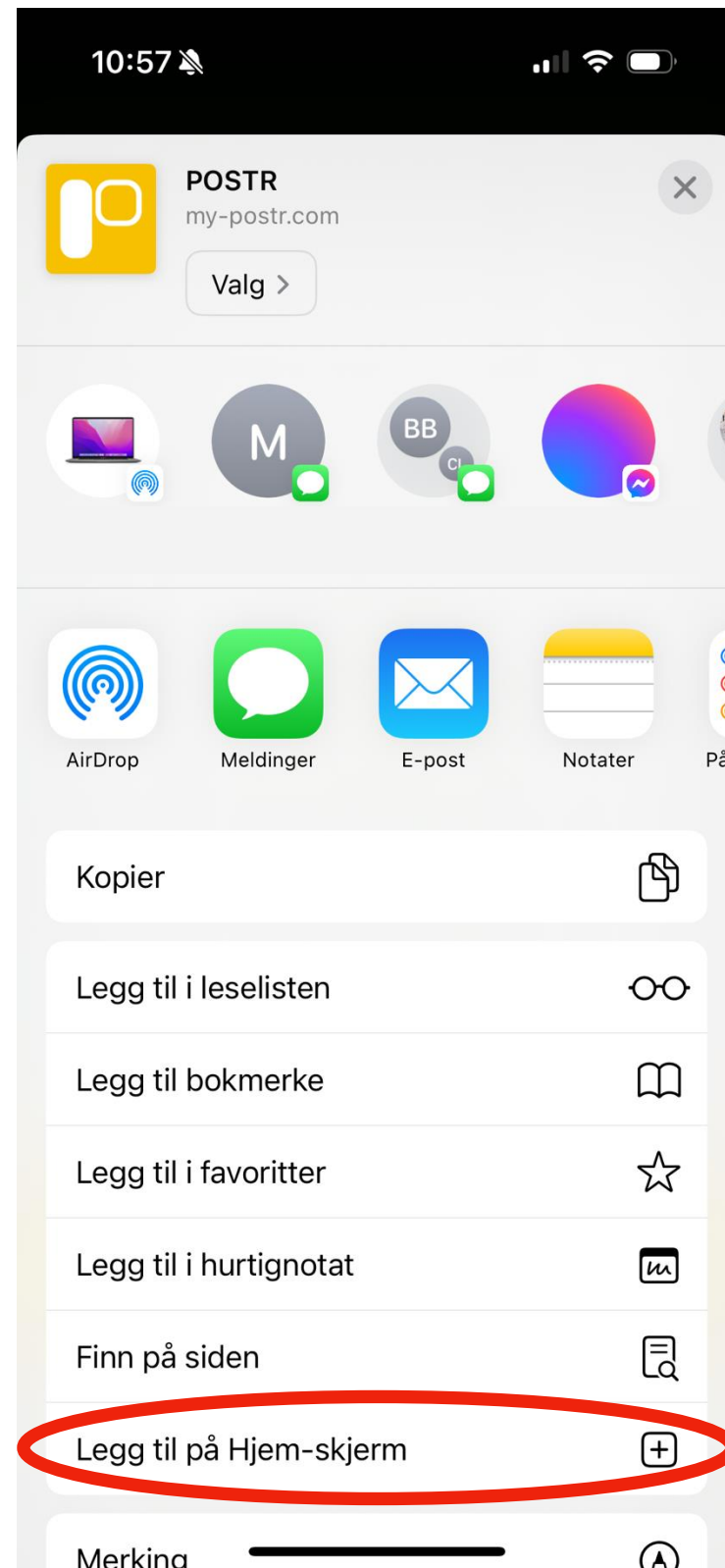
If you have any questions, please contact audunkvalvaag@gmail.com.

1. Install for iPhone

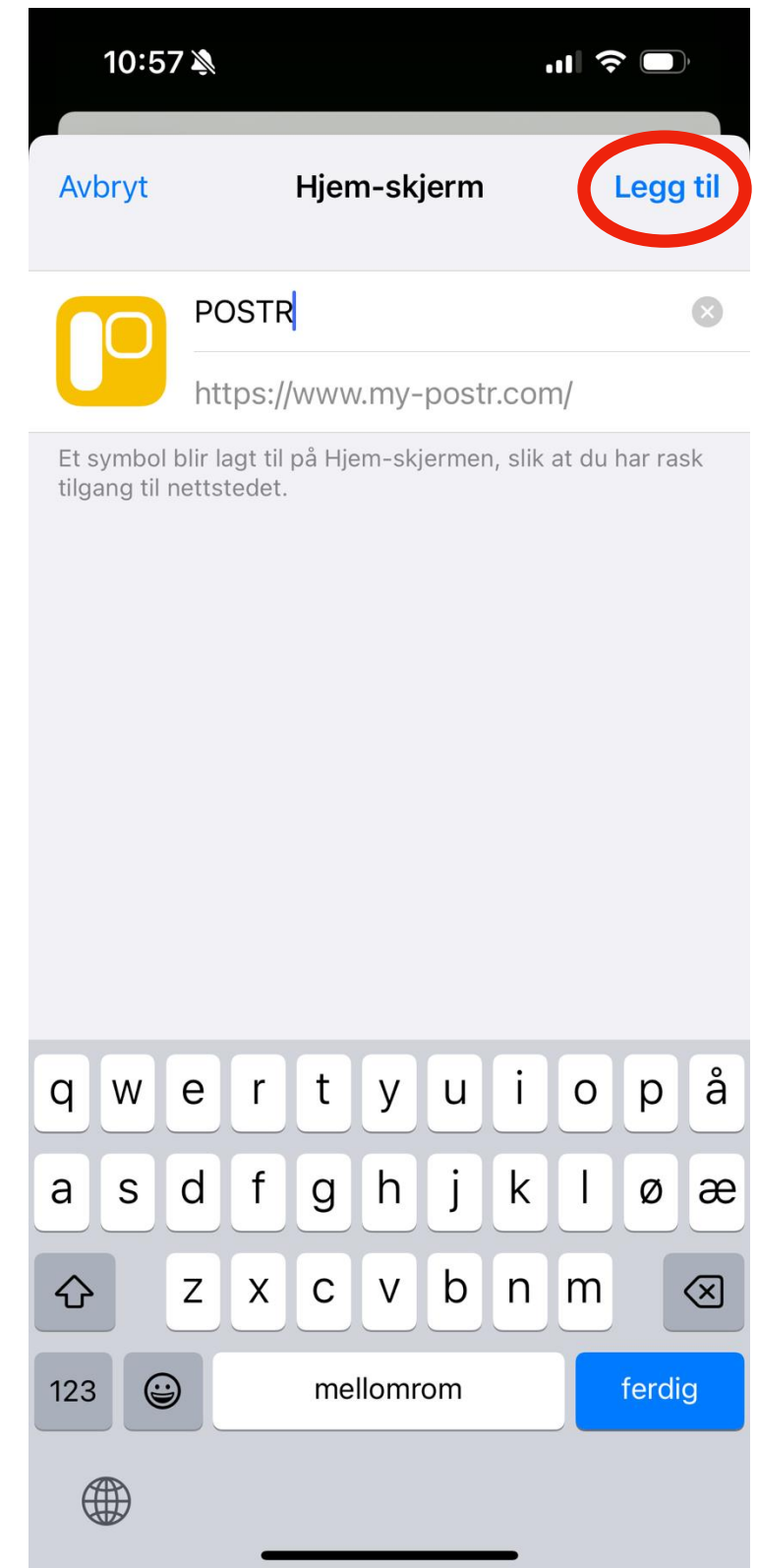
1. In Safari, press the square with an up arrow



2. Scroll down and click on «Add to Home Screen»

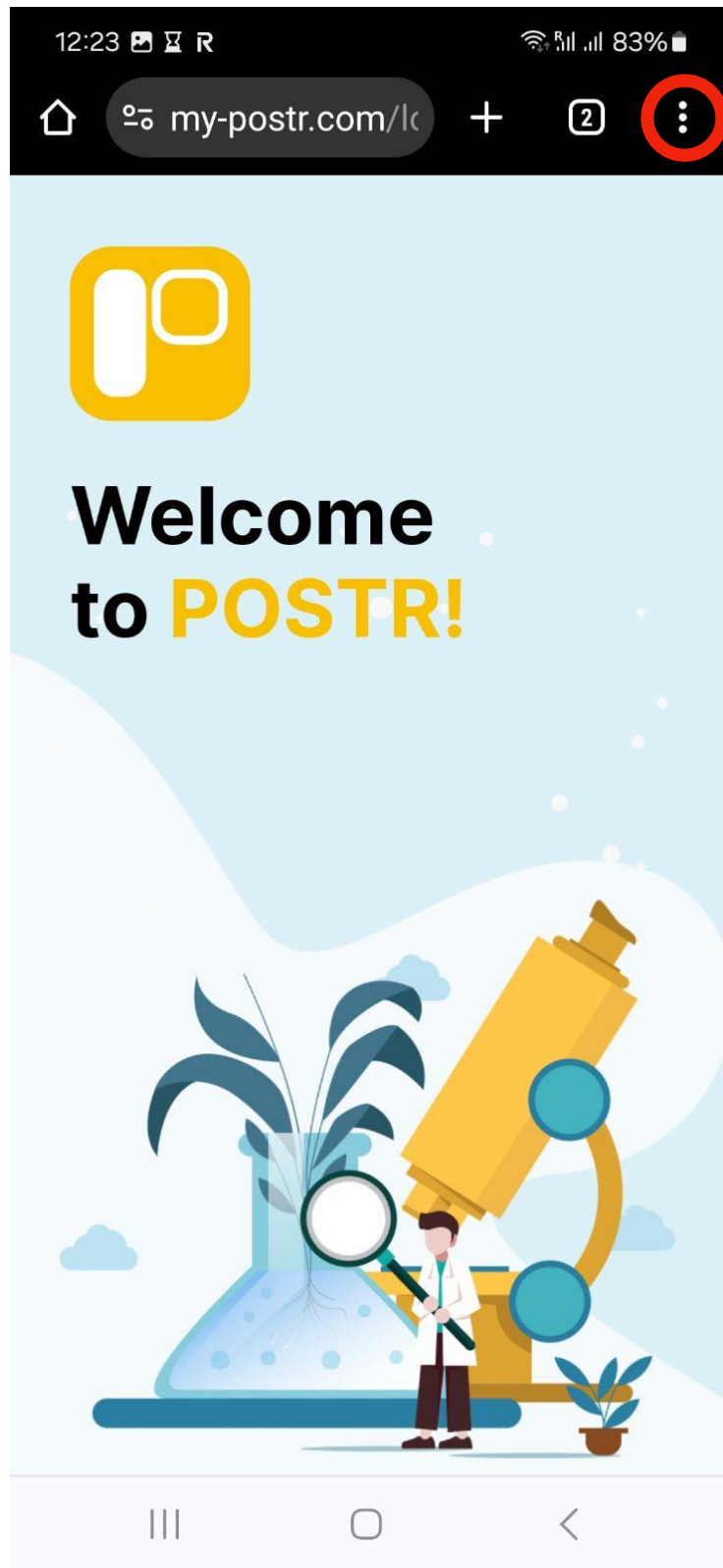


3. Chose a name (POSTR) and click Add

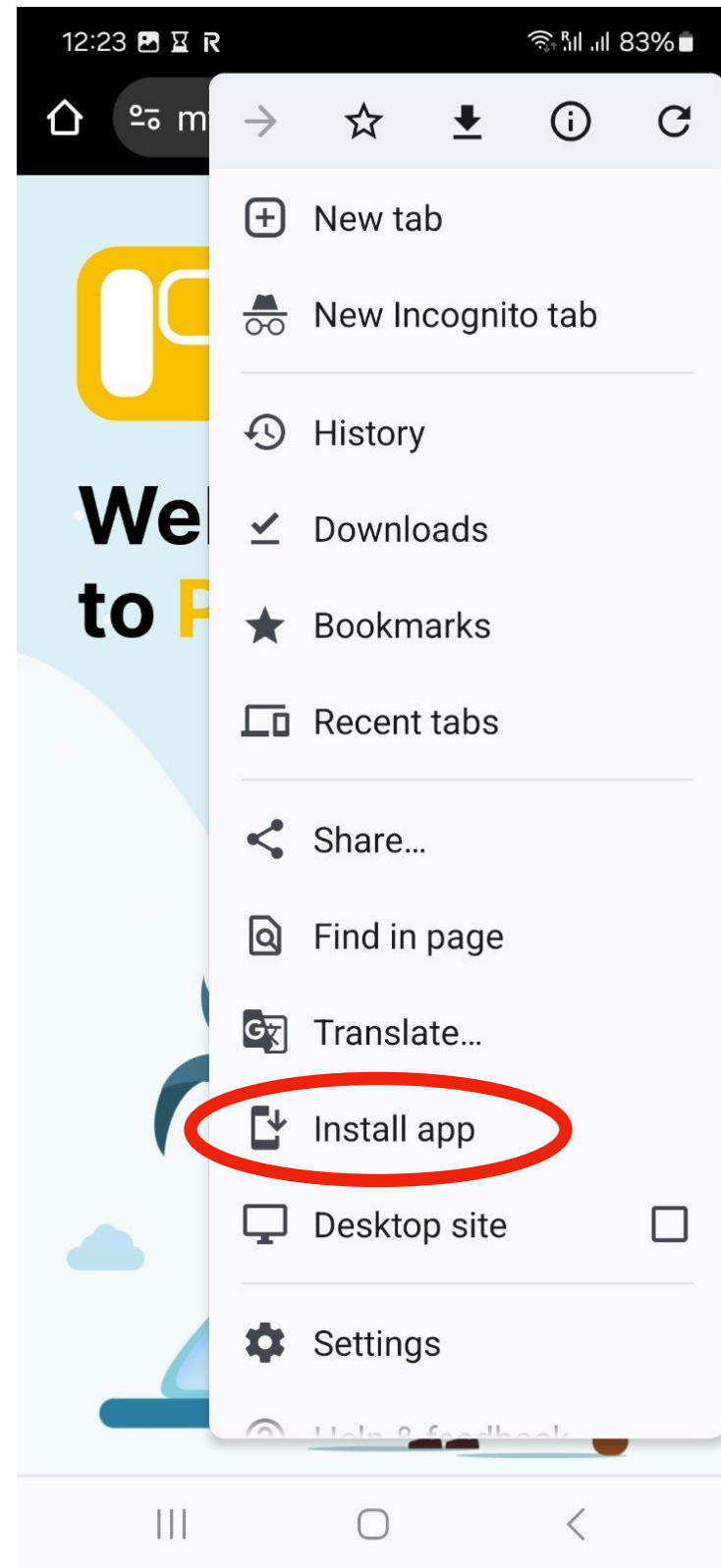


1. Install for Android (Chrome)

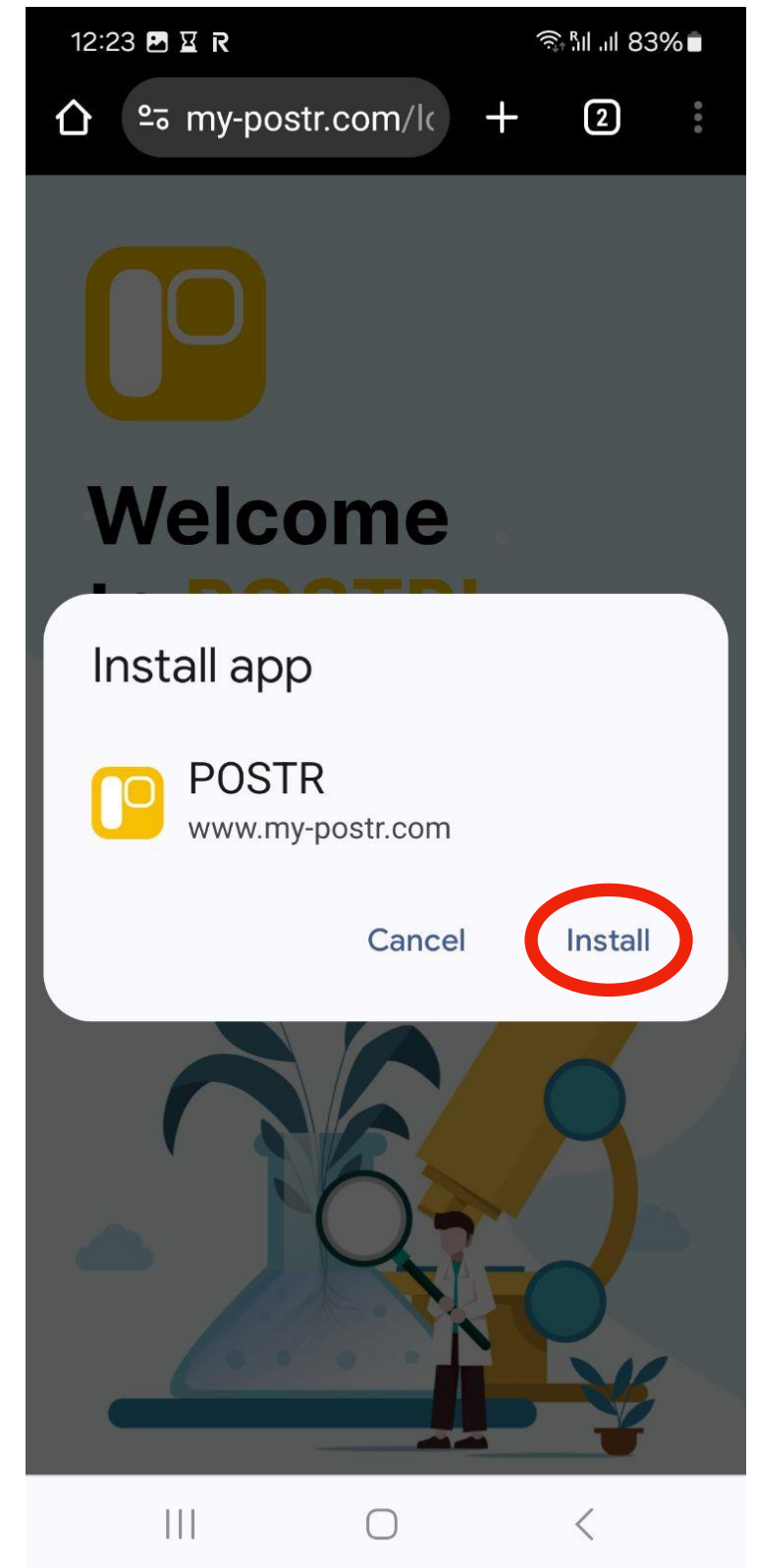
1. In Chrome, press the 3 dots in the upper right corner



2. Press Install app in the menu



3. Click Install



2. Create a profile (following registration)

1. Fill in all the required fields, including My Collaboration Interest and My Research Field

12:43

Profile

Audun Kvalvaag

Academia

Dept. of Molecular Cell Biology

Researcher

My Collaboration Interest

Data Science

My Research Field

Edit Display Items

2. Click the Edit Display Items button (it is required to upload at least one display item)

12:43

Profile

My Collaboration Interest

Data Science

My Research Field

Immunology

Email (optional)

Email

Website (optional)

<https://www.pnas.org/do>

Edit Display Items

3. Click on the pluss symbol and upload an image or a movie (mp4) from your phone (or computer)

12:45

Edit Display Items

T cell

TCR

pMHC

SLB

Abstract

We have recently shown that clathrin controls both vesicular release of T cell receptor (TCR) at the immunological synapse by clathrin-mediated endocytosis (CME) and internalization of TCR engaged to peptide-MHC by clathrin-mediated trans endocytosis (CMT2). These topologically opposite processes are regulated by the temporally dynamic recruitment of clathrin adaptor proteins to TCR microclusters. The TCR ζ component WW and CMT2 critically recruit clathrin to initiate TCR release by CME, while the endocytic clathrin adaptor Fipr1 subsequently initiates TCR internalization by CMT2. These processes are critical for delivery of T cell help and T cell mediated regulation of antigen availability on the surface of antigen presenting cells, respectively. However, how they are affected by co-stimulatory and inhibitory signaling pathways modulating TCR activation is not known. Here, we have developed an automated analysis framework termed Immunological Synapse Map Analysis Program (ISMAP). We are currently applying this to map the average spatiotemporal localization of a panel of co-stimulatory and inhibitory molecules, and to analyze how these molecules affect the balance between TCR internalization by CMT2 and TCR release by CME.

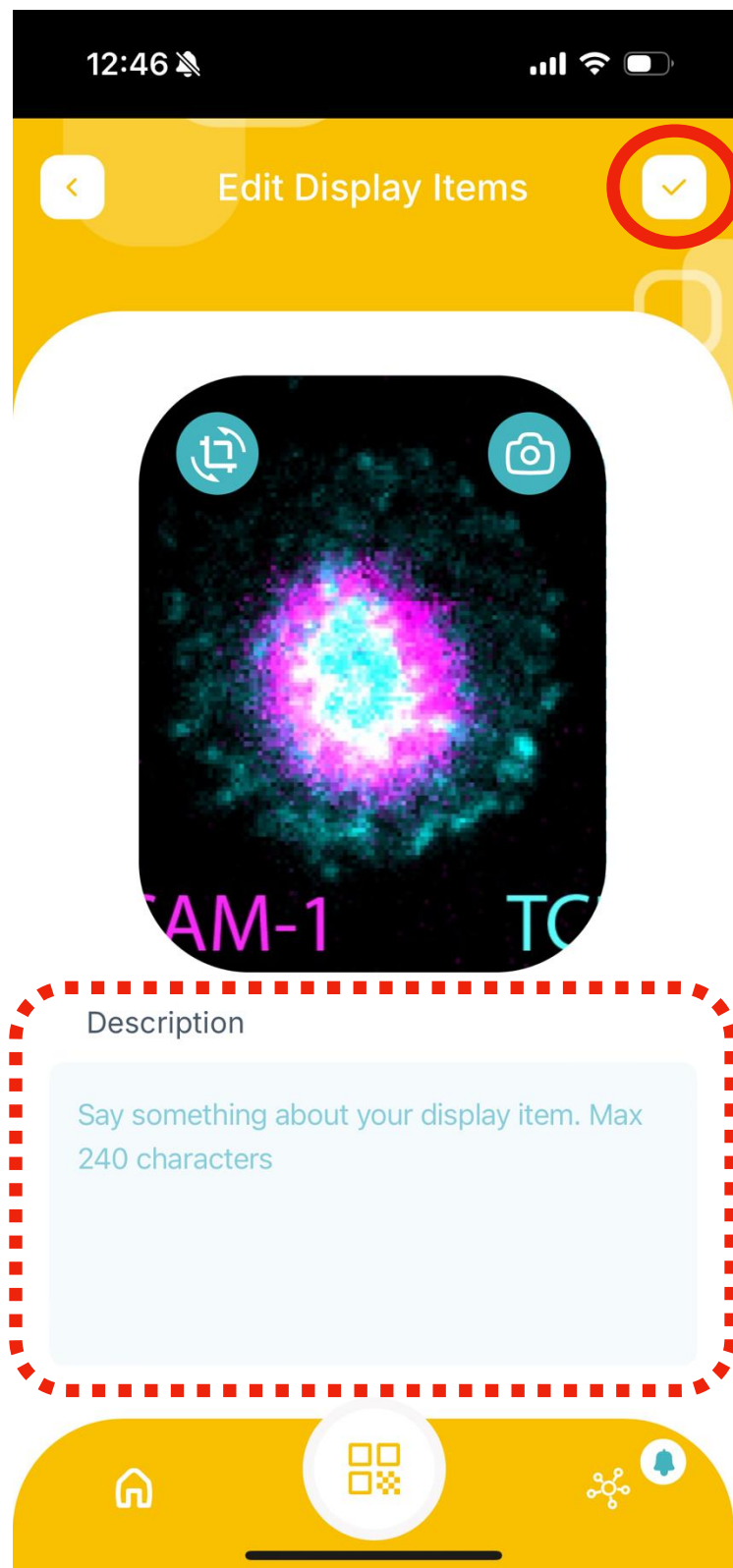
+

+

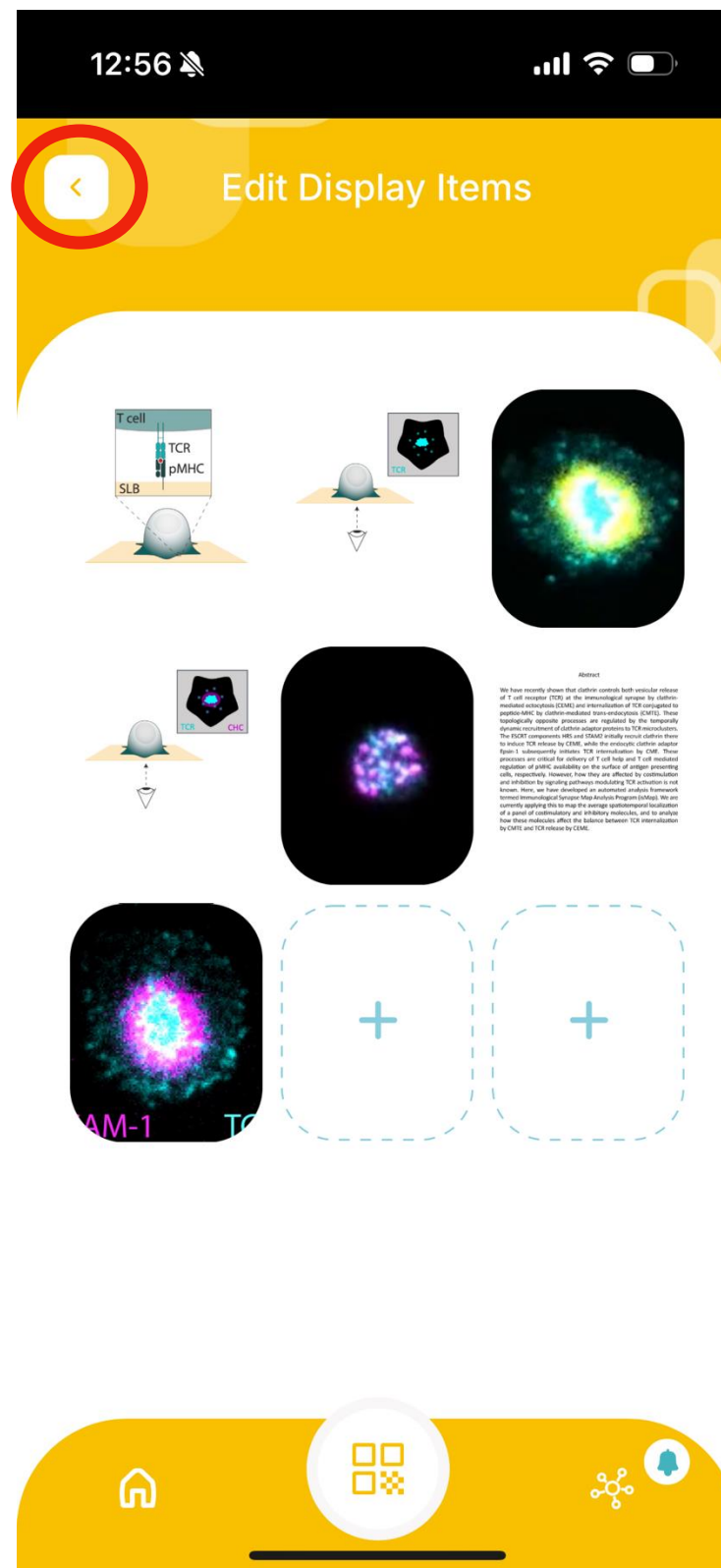
+

2. Create a profile (continued)

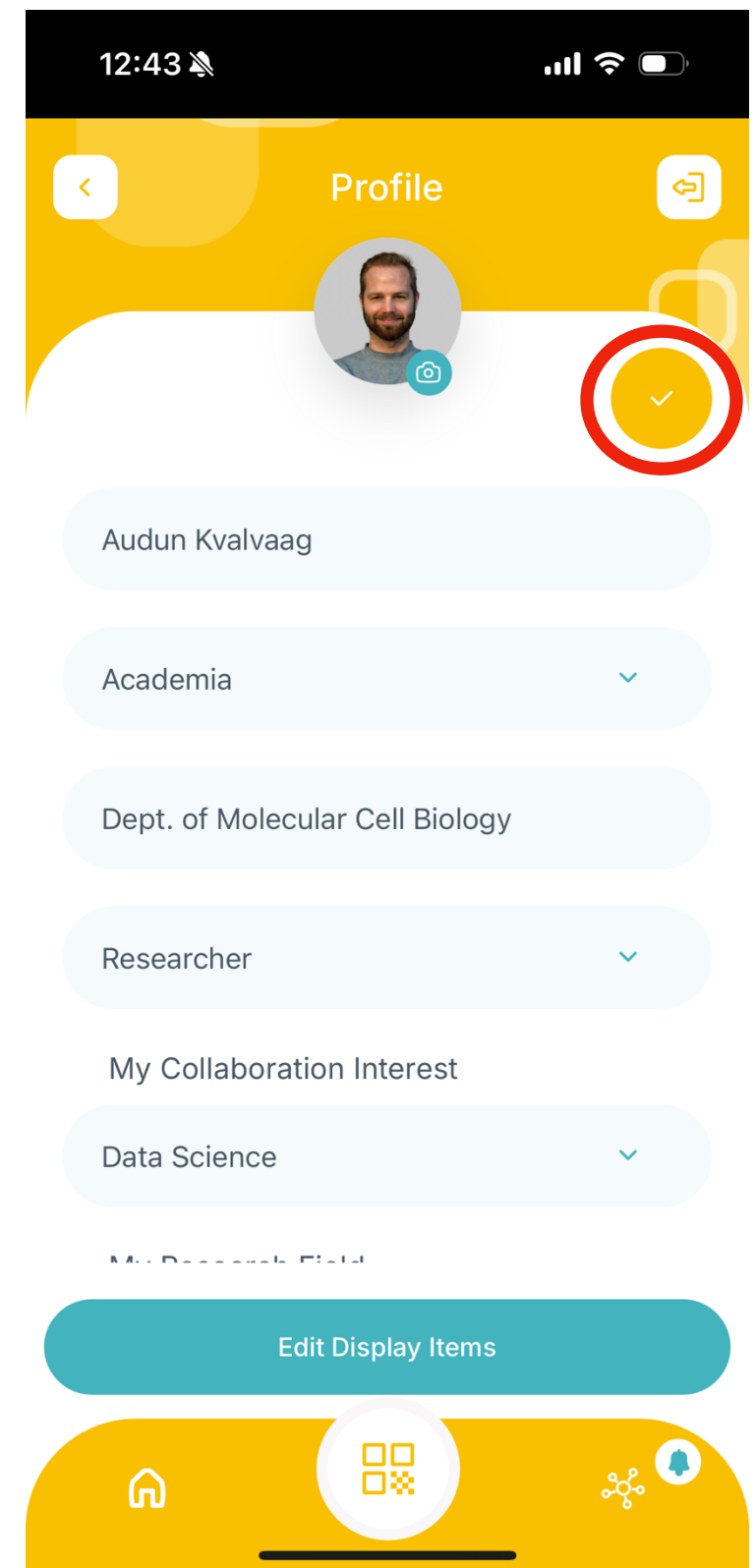
4. Click on the checkmark to save your item. You can also describe the item in the box below (optional)



5. Click on the back arrow

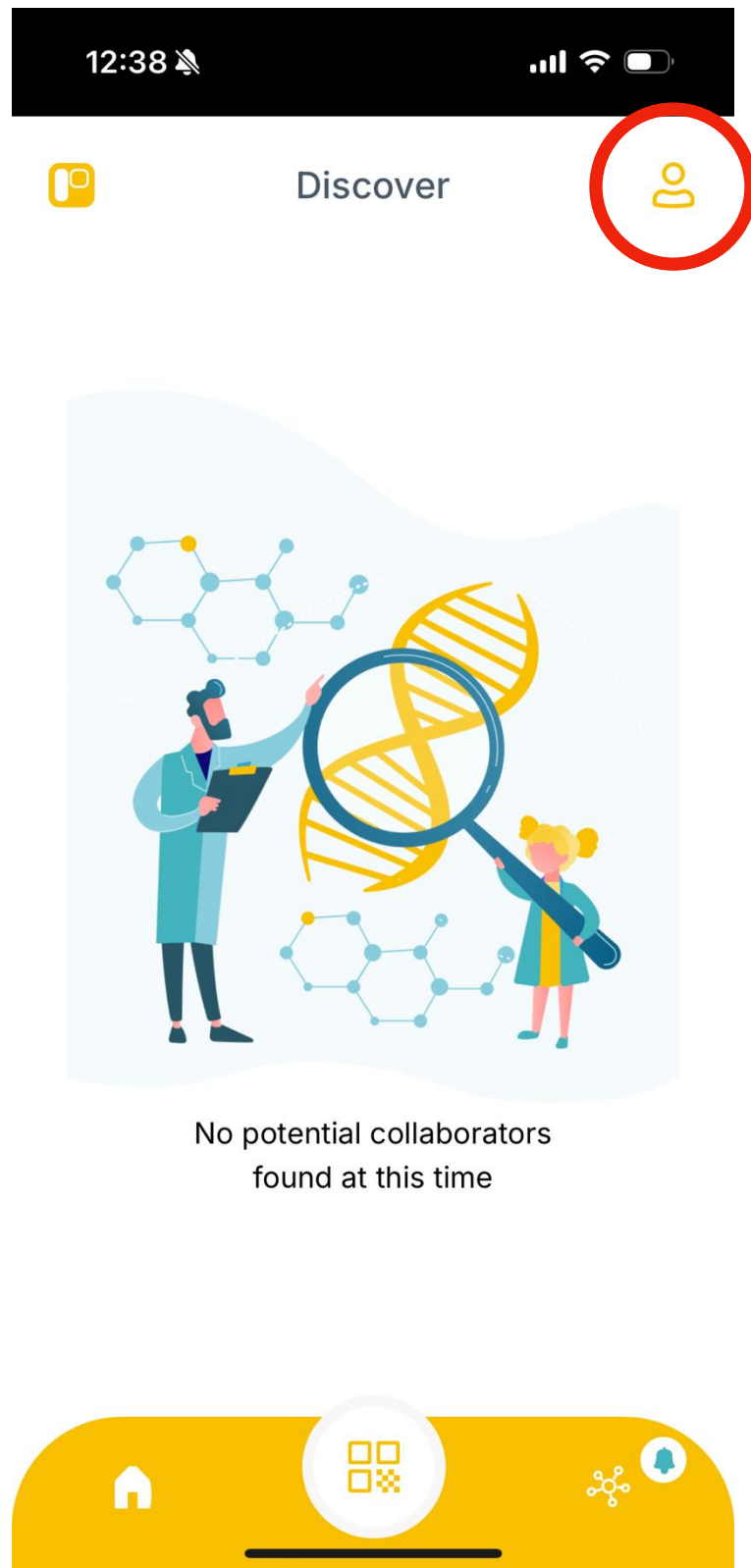


6. Click on the checkmark to save your profile (this turns orange when all the required fields are ready)



3. QR code (this can also be done in a web browser on your computer)

1. From the Discover screen, press the profile symbol



2. Click on the QR code



3. Screenshot the QR code or press Save as Image and print.

