



T.E.I. of Crete

Opportunities for Practical training of TEI students at the University of Antwerp

Prof. Kris Vissenberg

The screenshot shows the homepage of the University of Antwerp. At the top, there is a navigation bar with links for Students, Staff, Alumni, Library, a search bar, and options for Nederlands, Jobs, Press, and Contact. The main header features the University of Antwerp logo and a menu with categories: About UAntwerp, Campus life, Faculties, Studies, education and training, and Research and innovation. A large banner image shows a man in a blue striped shirt listening to a woman. Below the banner, a text box reads "International Staff Office: more than 82 nationalities at UAntwerp". To the right, a sidebar highlights "International Students" with a "Most read:" section listing articles like "Programmes taught in English" and "Exchange student at Uantwerp?". Below this, there are links for "Admission requirements" and "I want to enrol".

Students Staff Alumni Library Search All Q Nederlands Jobs Press Contact

University of Antwerp

About UAntwerp Campus life Faculties Studies, education and training Research and innovation

International Students

Most read:

- > Programmes taught in English
- > Eurosa
- > Exchange student at Uantwerp?
- > International degree student at Uantwerp?

Admission requirements: for Bachelor, Master or Advanced Master >

I want to enrol, without a Flemish Community degree >

International Staff Office: more than 82 nationalities at UAntwerp

News

8 MEI Nature's memory: trees remember warm winters
A warm winter and early spring: it was clear to see that nature woke early this year throughout Western Europe due to unusually high temperatures. But what impact does this warming have on our natural environment?

6 MEI UAntwerp and MagVenture commercialize a new medical device
The Cool-40 Rat Coil is the world's first pre-clinical non-invasive Transcranial Magnetic Stimulation (TMS) coil for use on laboratory animals. Therefore it is unique in its kind.

28 APR "The emphasis on air freight impacts an airline's profitability"

Follow us on social media

- Find on Facebook
- Follow on Pinterest
- Follow on Youtube

Activities

12 MEI Representationalism versus relationalism
Conference debate

14 MEI Sticky floors: Due to employer or employee preferences
Seminar: Stijn Baert (Ghent University)

15 MEI Terms of shipment and the shift to more collaborative relations along the logistics chain
Seminar: Trevor Heaver (University of British Columbia, Vancouver, Canada)

20 MEI Internees and types of care
Assertive Community Treatment- Dr. Thomas

welcome in Antwerp



You are here: [UAntwerp](#) > [Education](#) > [International](#) > International students

International

> International students

- > International degree students
- > Exchange students
- > Scholarships
- > Visiting research students
- > Antwerp Summer University
- > Refugees
- > UAntwerp students studying abroad

International students

Want to study at the University of Antwerp?

Great idea! The University of Antwerp has about 21 100 students, which makes it the third largest university in Flanders. Up to 13% of our students are international students. They come from all corners of the world: from the A of Afghanistan to the Z of Zimbabwe.

The University of Antwerp is characterized by its high standards in education, internationally competitive research and entrepreneurial approach.


- **International degree students**
Do you want to expand your horizons and study a new degree at the University of Antwerp? We have a range of programmes taught in English.
- **Exchange students**
Interested in an exchange opportunity of 2 months to a full year? We have various options for you to come discover the University of Antwerp.



Scholarship opportunities >

Follow us on social media

 Follow on LinkedIn

 Find on Facebook



You are here: [UAntwerp](#) > [Education](#) > [International](#) > [International students](#) > Exchange students

Admission

- > Nomination
- > Application
- > Language Requirements

Study Information

- > Courses and learning agreement
- > Language Courses
- > Academic Guidance
- > [Examination and Grading](#)

Exchange student at UAntwerp?

If you would like to study at the University of Antwerp as an exchange student (Erasmus, etc...), you should talk to the International Office of your home university first to see what your options are.

[Read more about the admission procedure.](#)

Interesting Links

- > Testimonials
- > How to find housing
- > Travelling to Antwerp
- > Questions from former students
- > Overview of courses in English
- > First days at UAntwerp

Placement Information

- > Training Agreement
- > Language courses
- > Academic Guidance

Arrival

- > Visa
- > Registration at the University of Antwerp
- > Housing
- > Residence Permit
- > Orientation Days



Antwerp - City for Students
Antwerp - City for students

Contact

Herlinde Van de Maele
International Relations
Office

Monday – Friday from 9.00h –
13.00h Closed on Wednesday
Gratiekapelstraat 10
2000 Antwerpen
Tel. +32 3 265 40 01

Biology

Bachelor

- 3 years
- Mostly in dutch
- Fixed program with flexibility

Master

- 2 years
- Also in english
- 3 different Masters

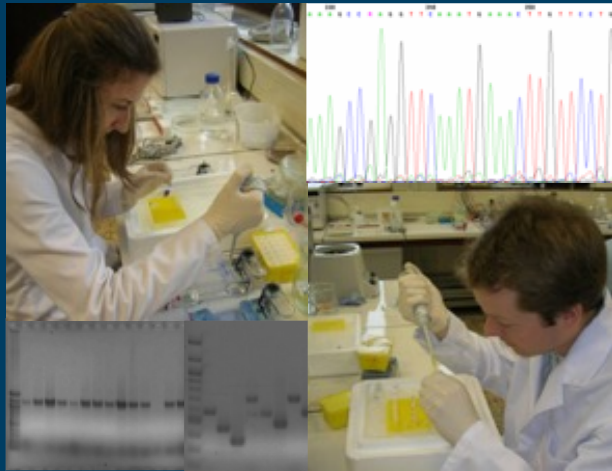
Master of Biology

3 specialisations:

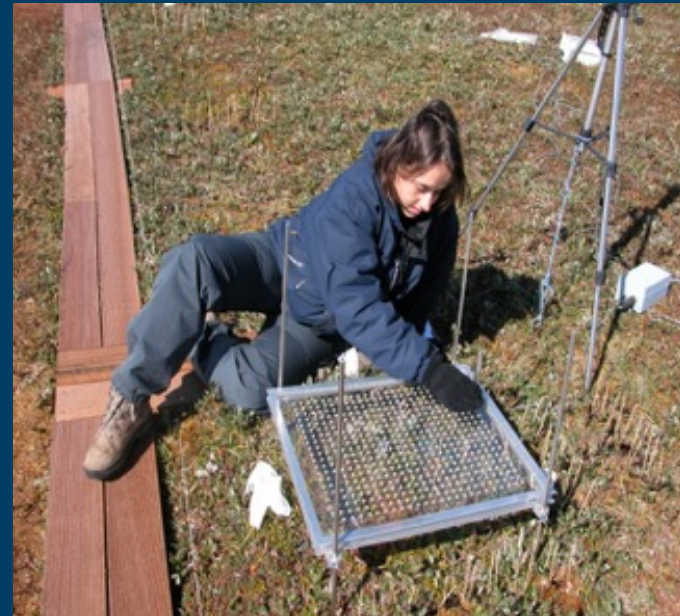
- Global Change Biology
- Evolution & Behaviour
- Biodiversity: Conservation & Restoration



Global Change Biology



Global Change Biology



Evolution & Behaviour



Biodiversity: Conservation & Restoration



**Global Change
Biology**

**Evolution &
Behaviour**

profile Research

profile Education

profile Management



BASIC SETUP OF THE PROGRAM

120 ECTS study points (= 2 years)

± 45 sp compulsory courses

± 15 sp optional courses

30 sp professional profile (res/edu/man)

30 sp Master thesis (can be spread over 2 years)

flexible semester system

flexibility for international exchange



About UAntwerp

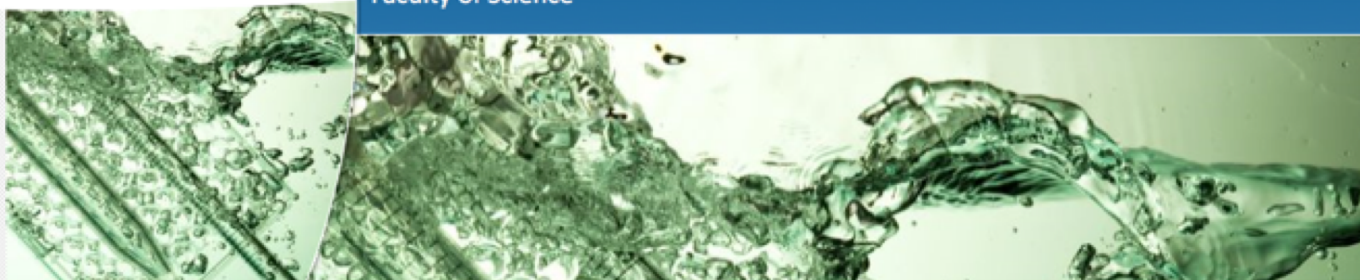
Campus life

Faculties

Education

Research and innovation

Faculty of Science



You are here: [UAntwerp](#) > [Faculties](#) > [Faculty of Science](#) > [Research](#) > [Research Groups and Institutes](#)

Faculty of Science

- > Education
- > **Research**
 - > **Research Groups and Institutes**
 - > Centres of Excellence
 - > Publications
 - > Doing a PhD
 - > Key Research Domains
 - > Spin-offs
 - > Honorary Doctorates
- > Organisation
- > News and Calendar

Research Groups

The research groups of the Faculty of Science are:

Bioscience Engineering

- Sustainable energy and air purification (DuEL)
- Environmental Ecology & Microbiology (ENdEMIC)

Biology

- Behavioural Ecology and Ecophysiology
- Ecosystem management (ECOBIE)
- Evolutionary Ecology Group (EVECO)
- Functional morphology (FUNMORPH)
- Integrated Molecular Plant physiology Research (IMPRES)
- Plant and vegetation ecology (PLECO)
- Systemic physiological and ecotoxicological research (SPHERE)

Our research group, IMPRES

For information, please contact:

Kris.Vissenberg@uantwerpen.be



Research

Organisation

Education

News and Events

You are here: UAntwerp > Research groups > Integrated Molecular Plant physiology Research - IMPRES



Root hair phenotyping of wild type Arabidopsis and specific mutants >>

About IMPRES

Integrated Molecular Plant physiology Research (IMPRES) is one of the research groups in the Department of Biology. Our research focuses on the mechanisms that control root, leaf and hypocotyl development, and mostly relies on molecular (cell) biology, several forms of microscopy, cell wall extensiometry and plant hormone analyses.

Ongoing research mainly exploits the model plant Arabidopsis thaliana which represents one of the best experimental systems to study developmental processes in higher plants.

Contact

IMPRES

Campus Groenenborger
Groenenborgerlaan 171
2020 Antwerp
Belgium
Tel. +32 3 265 3410
Fax +32 3 265 3417
kris.vissenberg@uantwerpen.be



Research

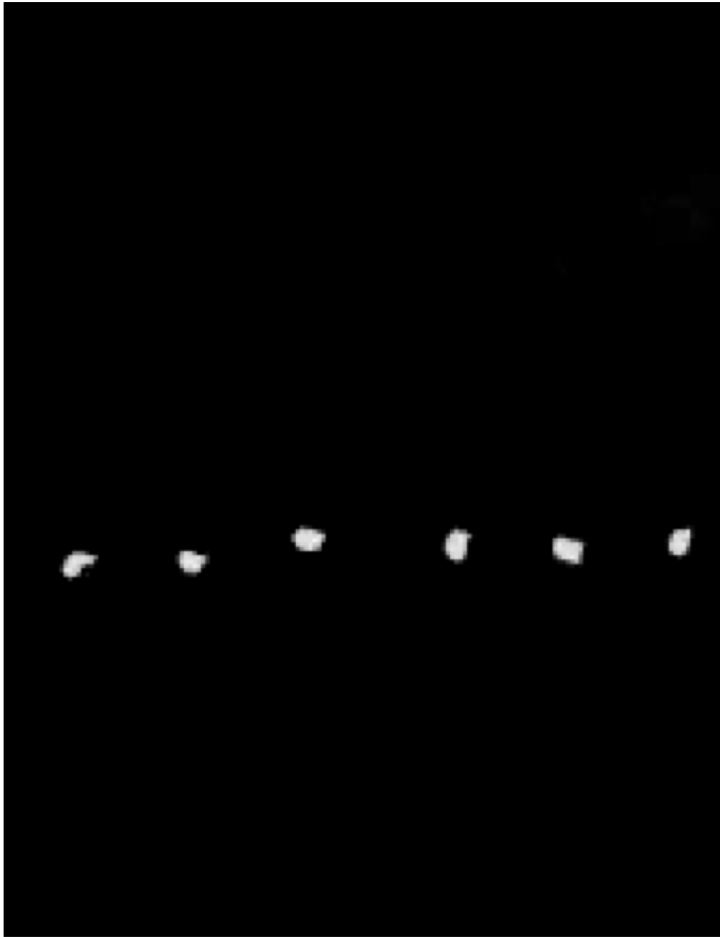
- > Main ongoing projects
- > Publications
- > Equipment
- > Collaboration

Organisation

- > About IMPRES
- > Members
- > Job opportunities



Hypocotyl development

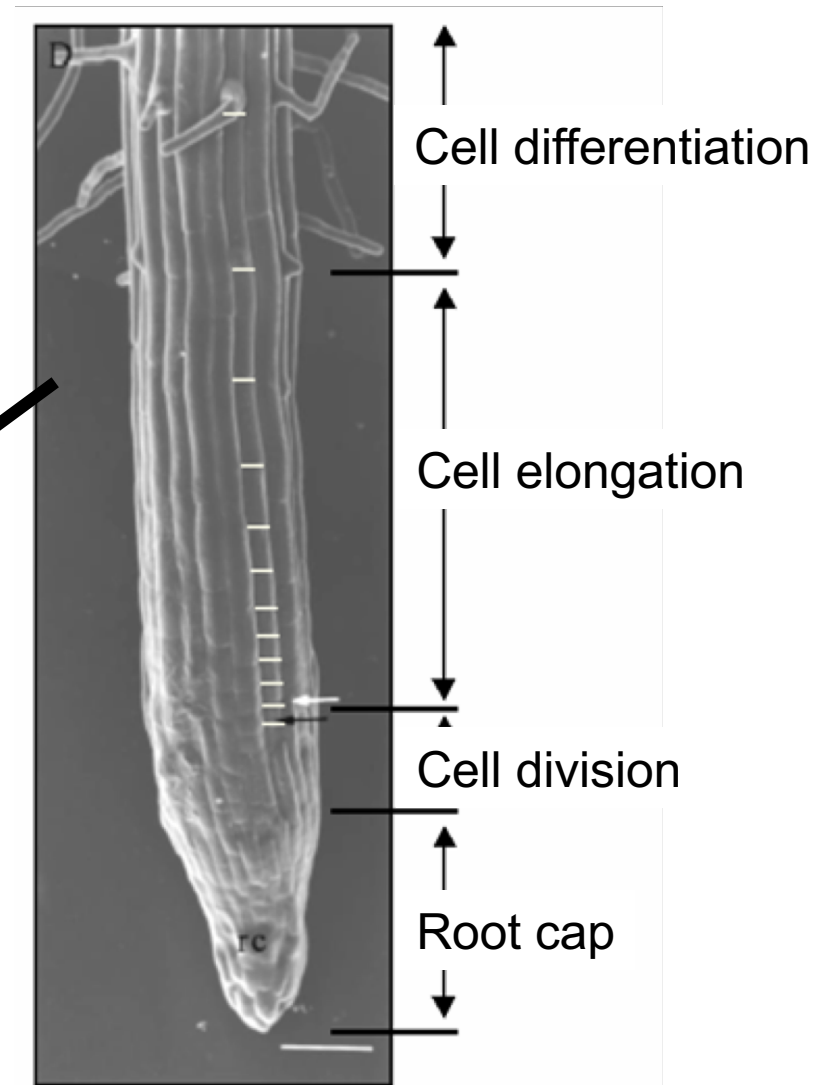
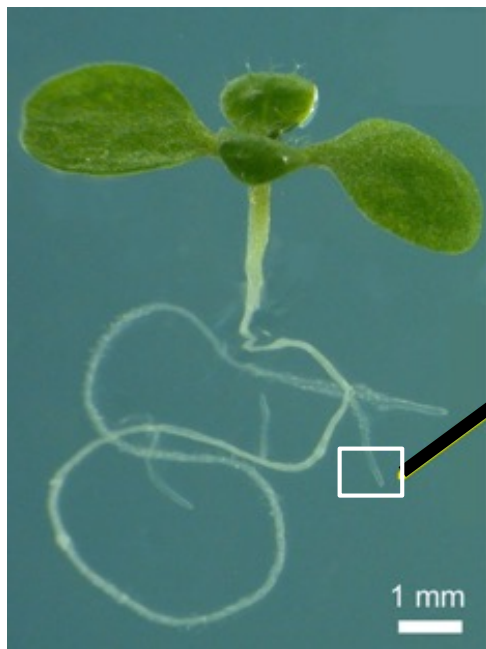


***apollo* mutant**



apollo-mutant

Root development



Root hair development

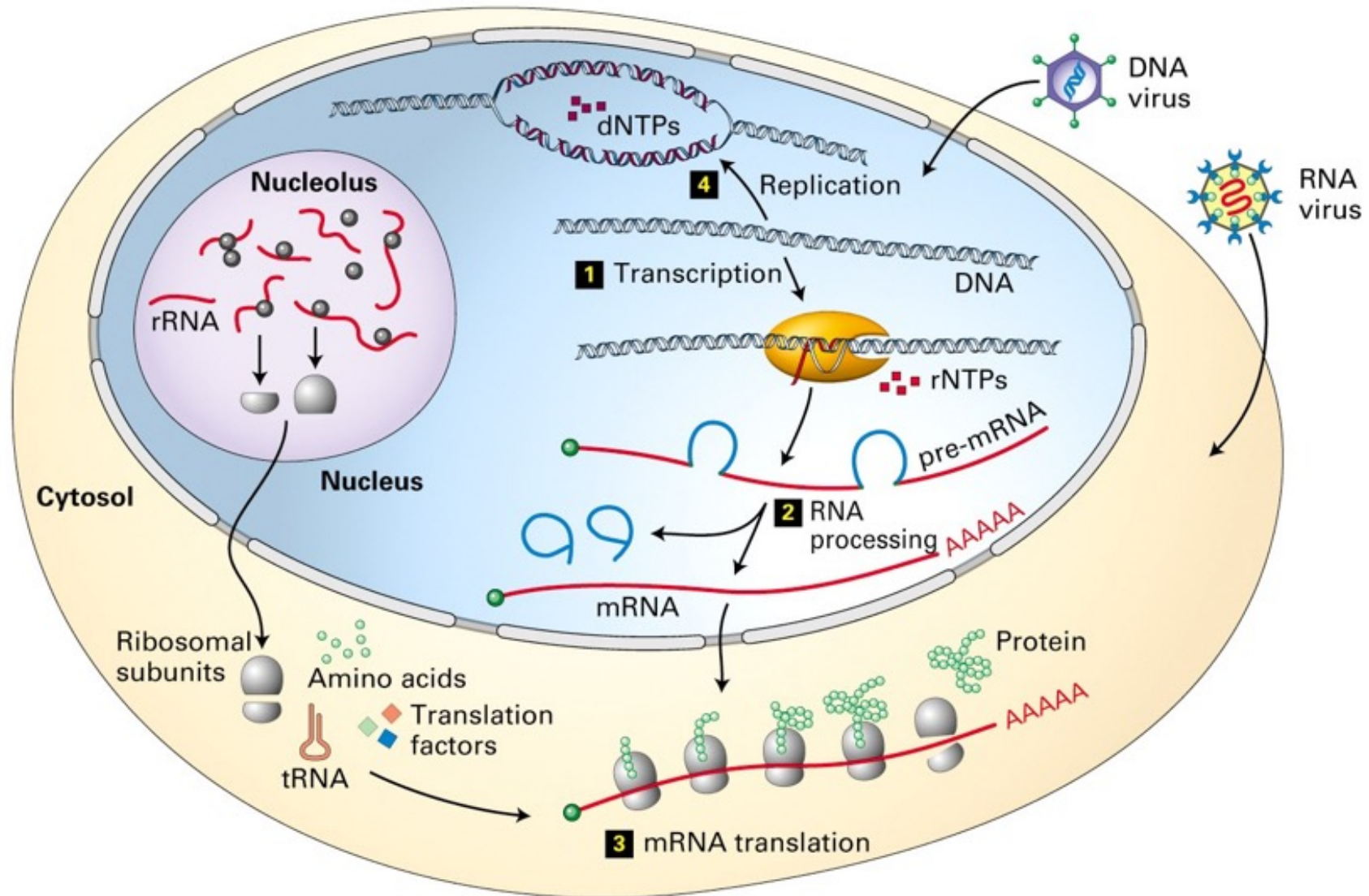


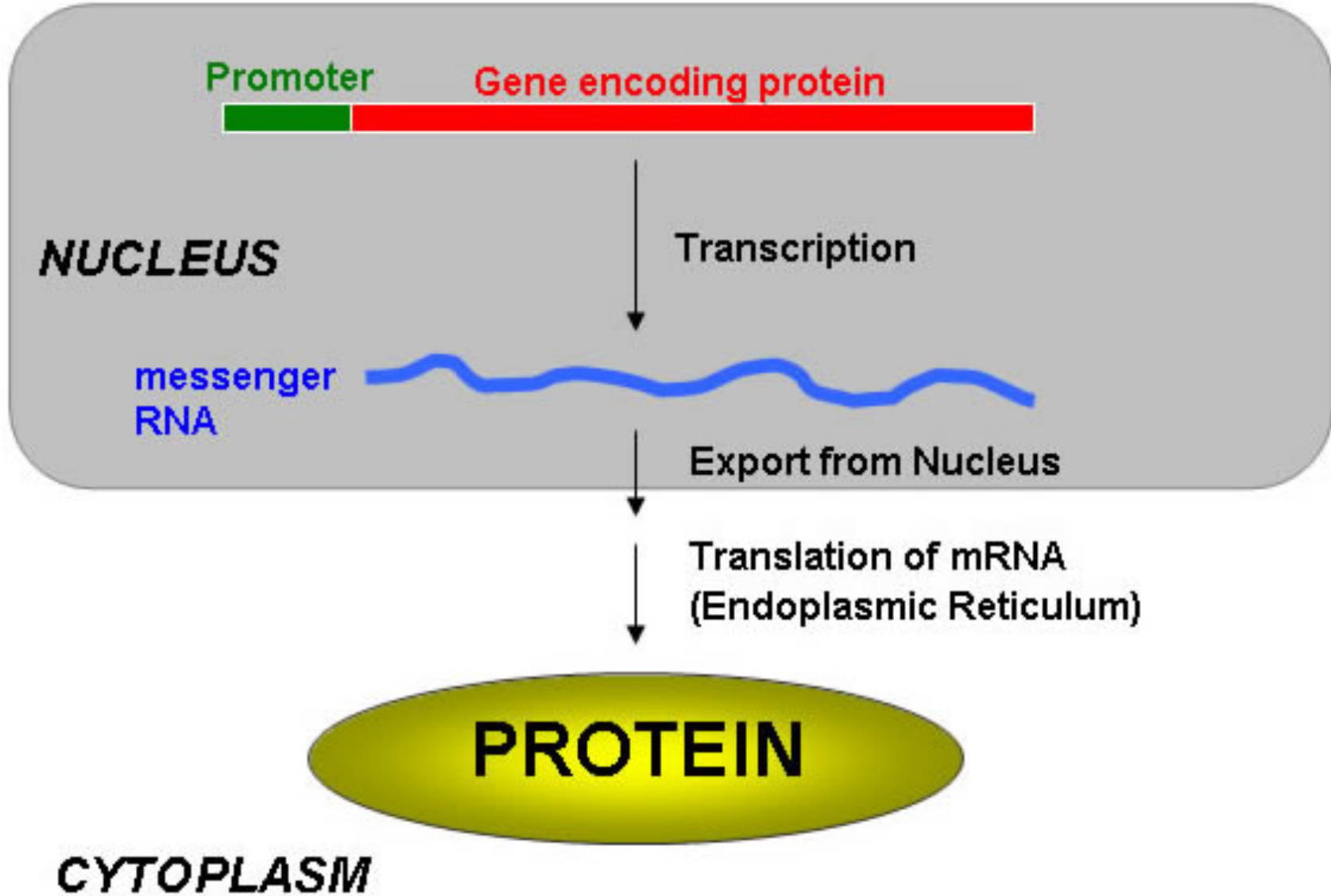


T.E.I. of Crete

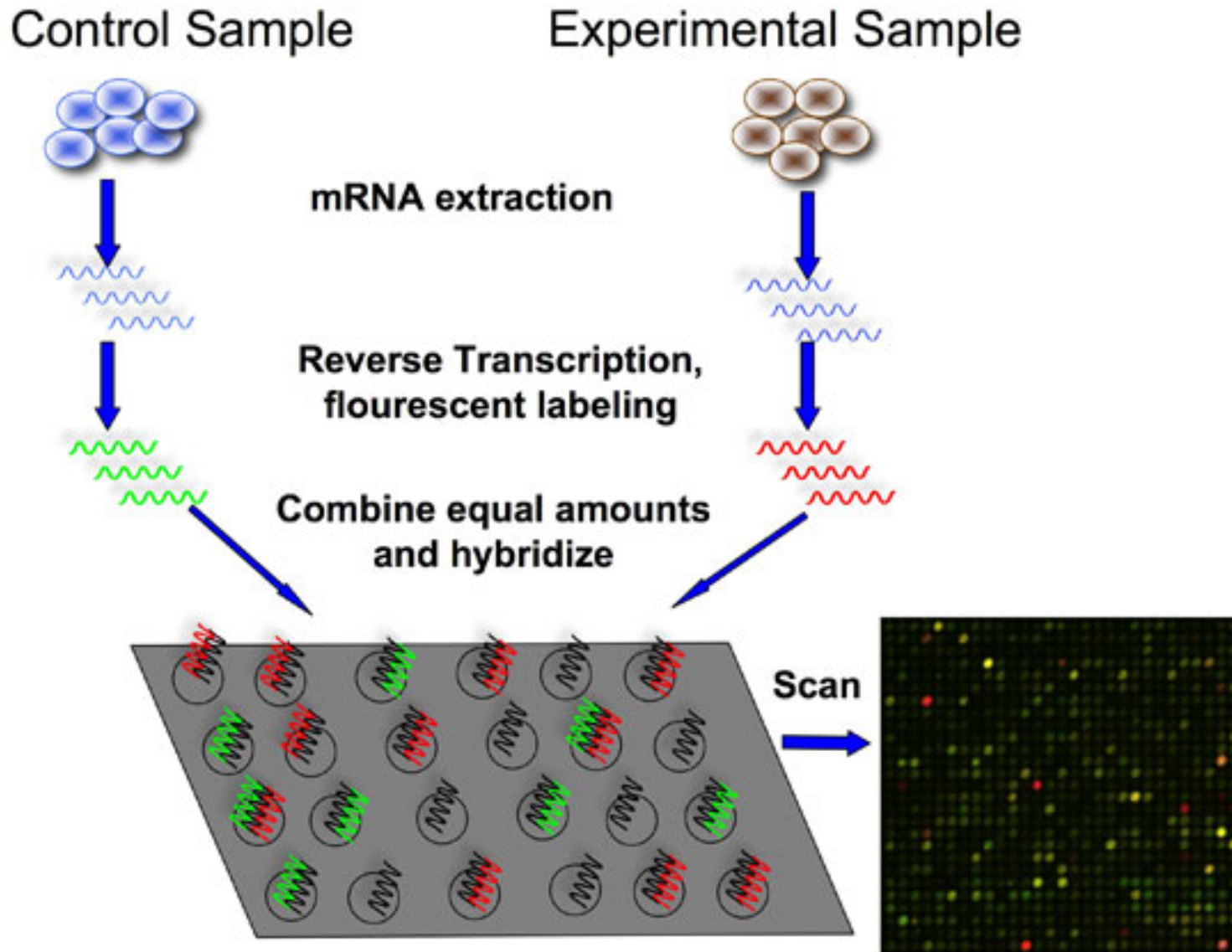
Plant Biotechnology

Cell function

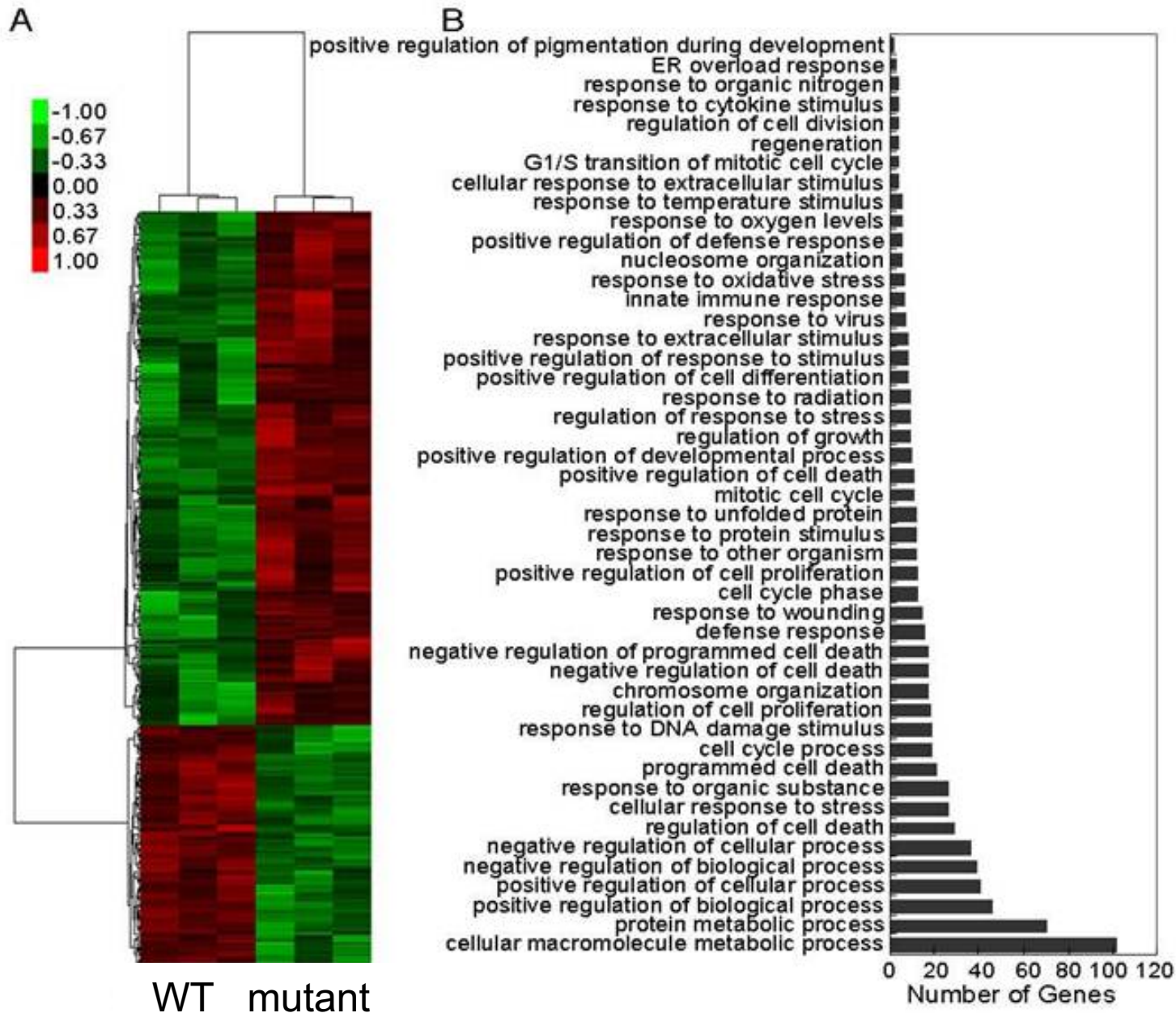




Transcriptome analysis

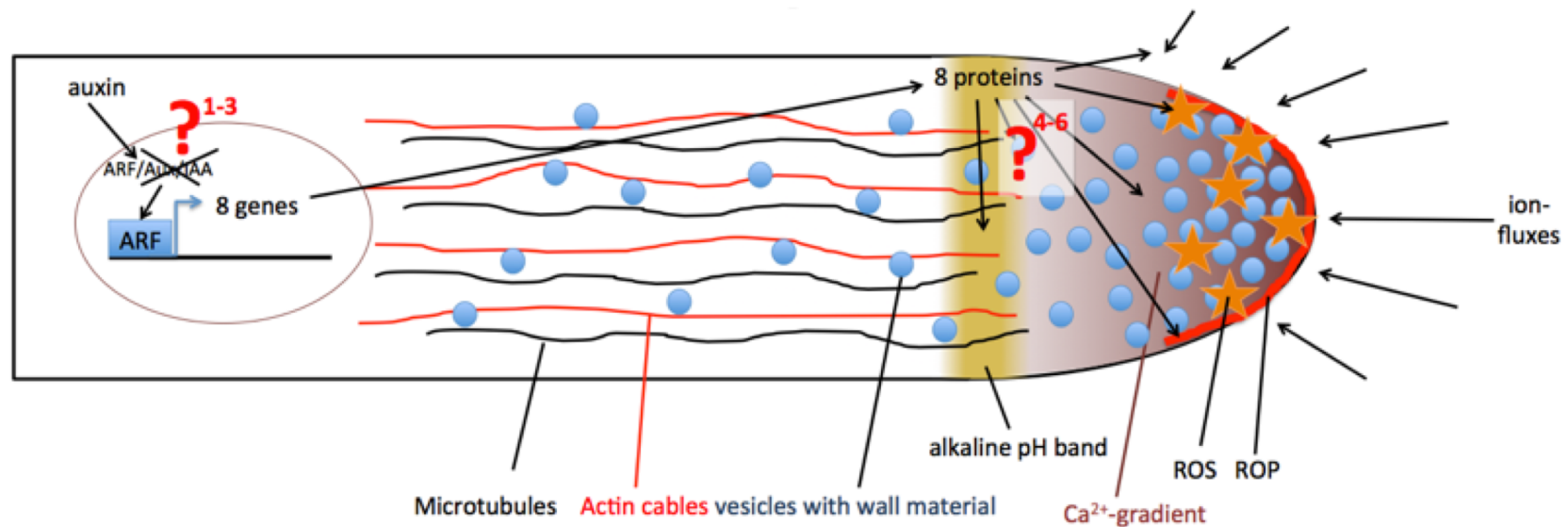


Transcriptome analysis

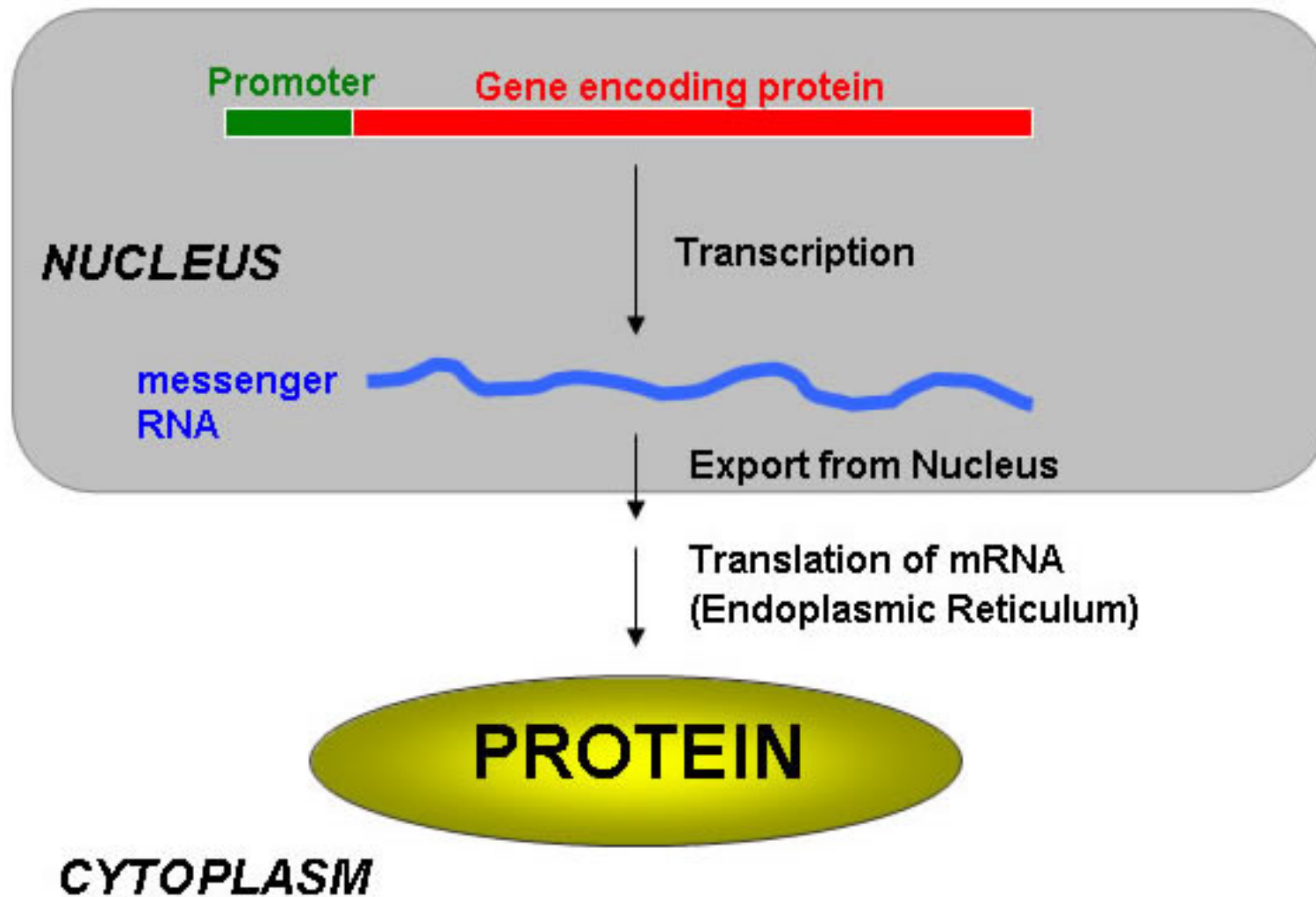


Research questions

- ➔ What is the role of these genes?
- ➔ What is the mechanism?

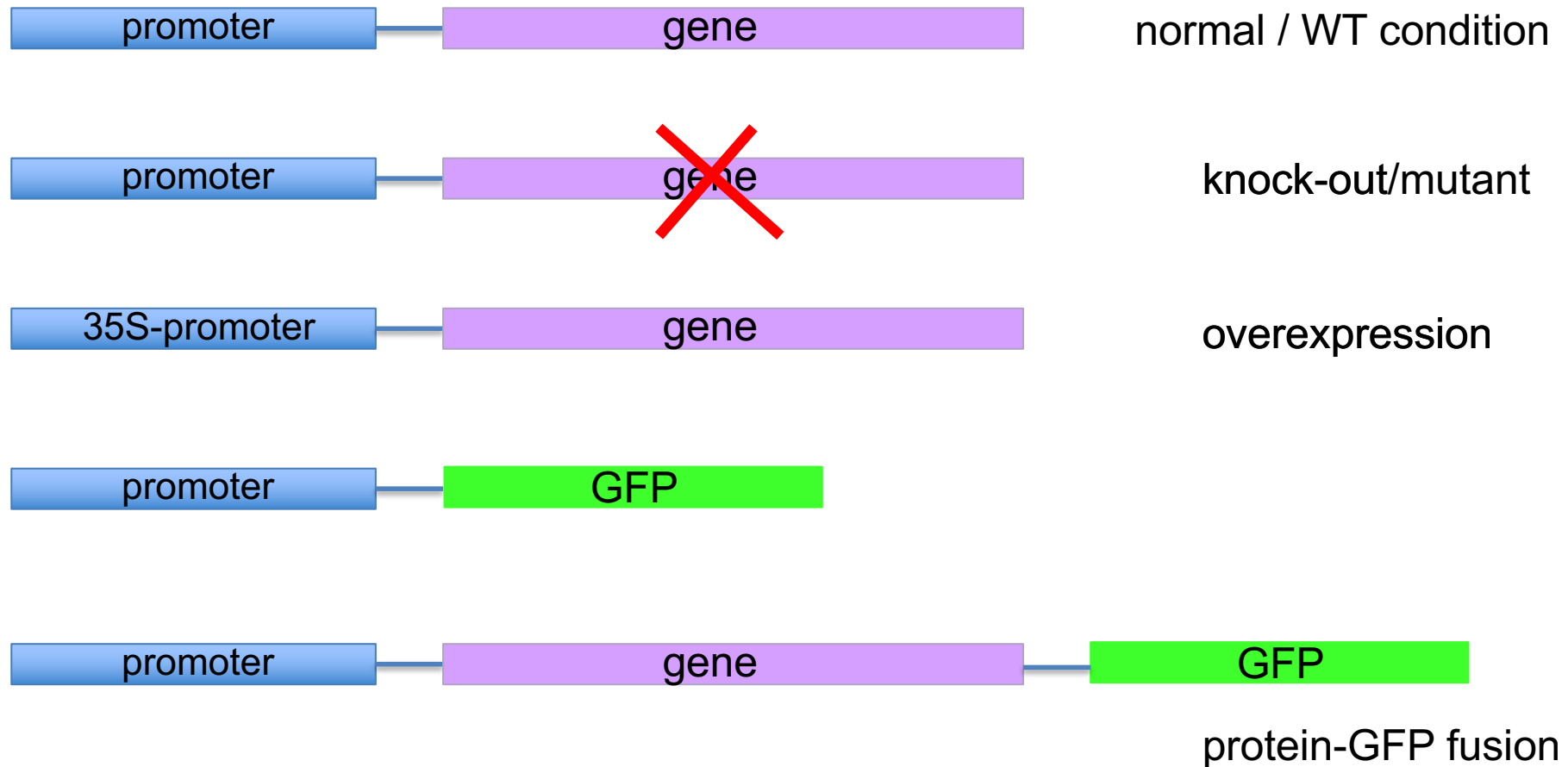


Tools/methodology



Tools/methodology

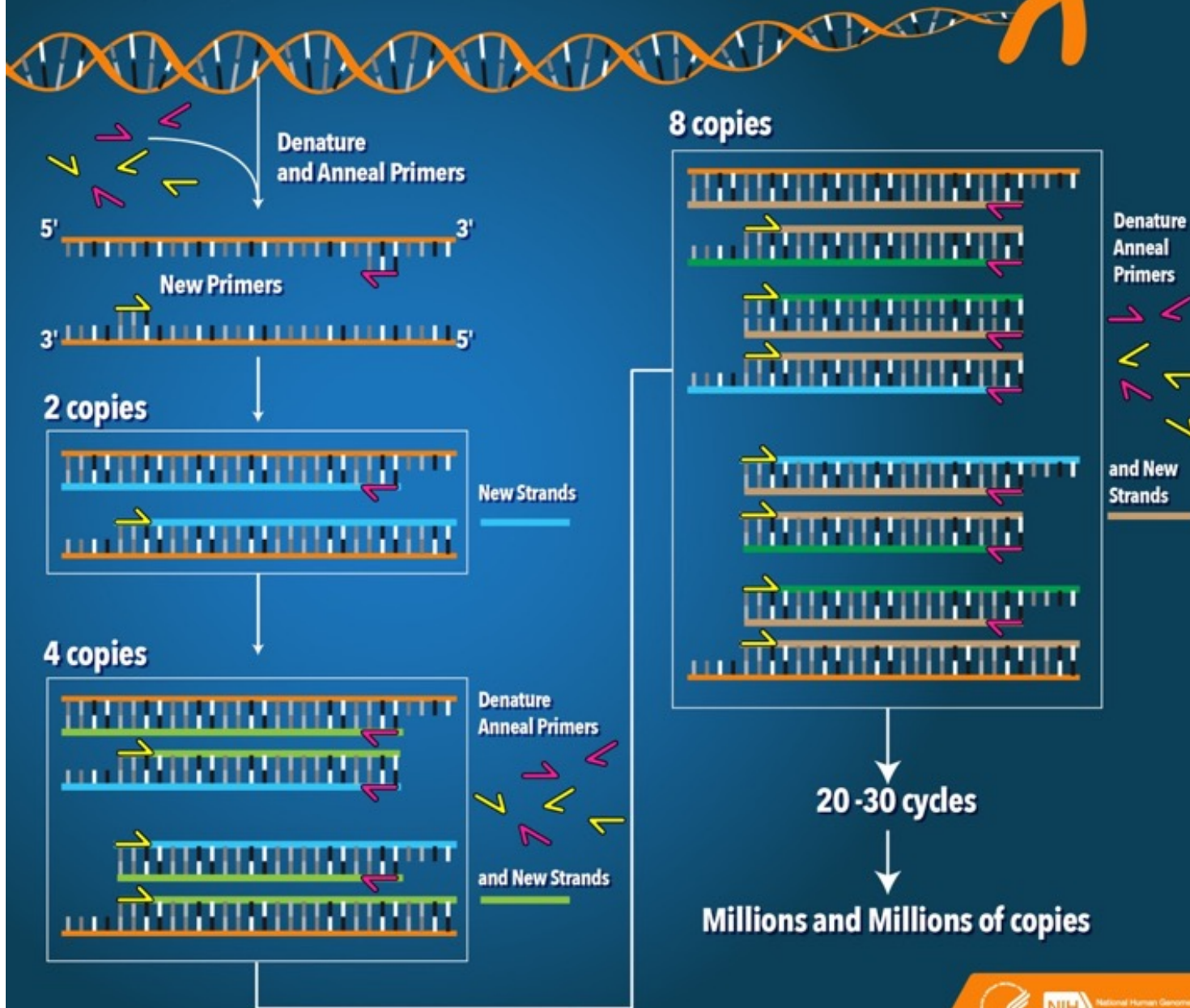
Molecular biology





PCR - Polymerase Chain Reaction

NHGRI FACT SHEETS
genome.gov

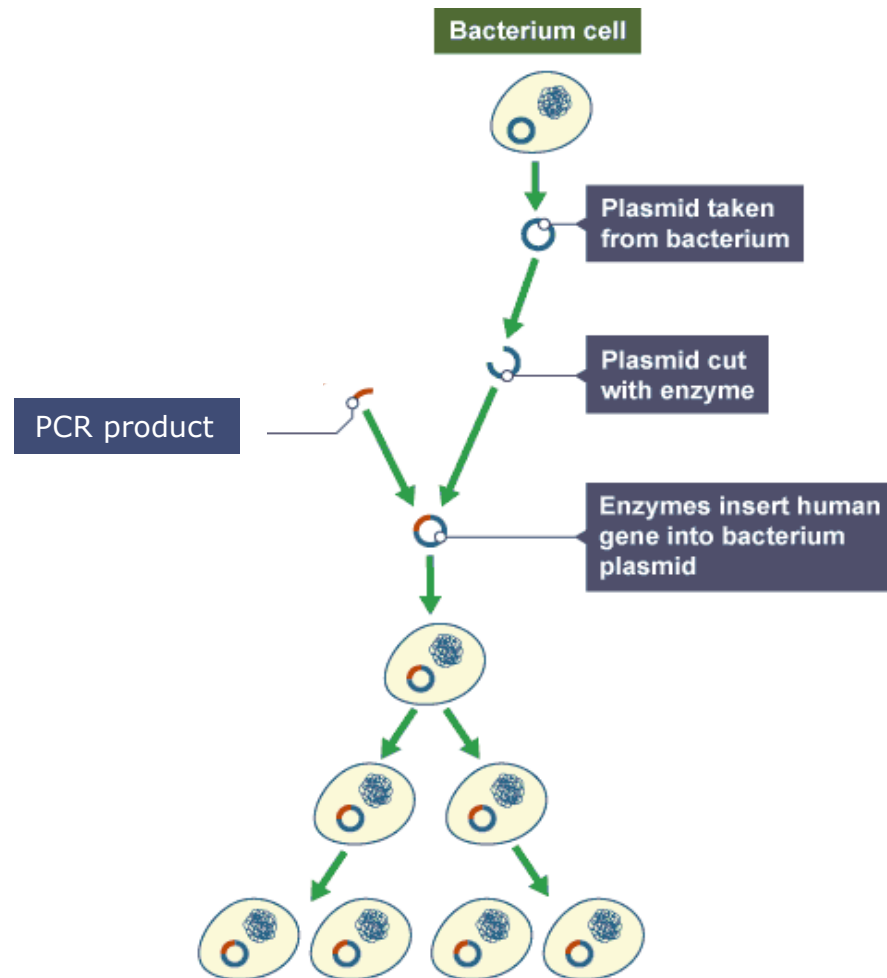


NIH

National Human Genome
Research Institute

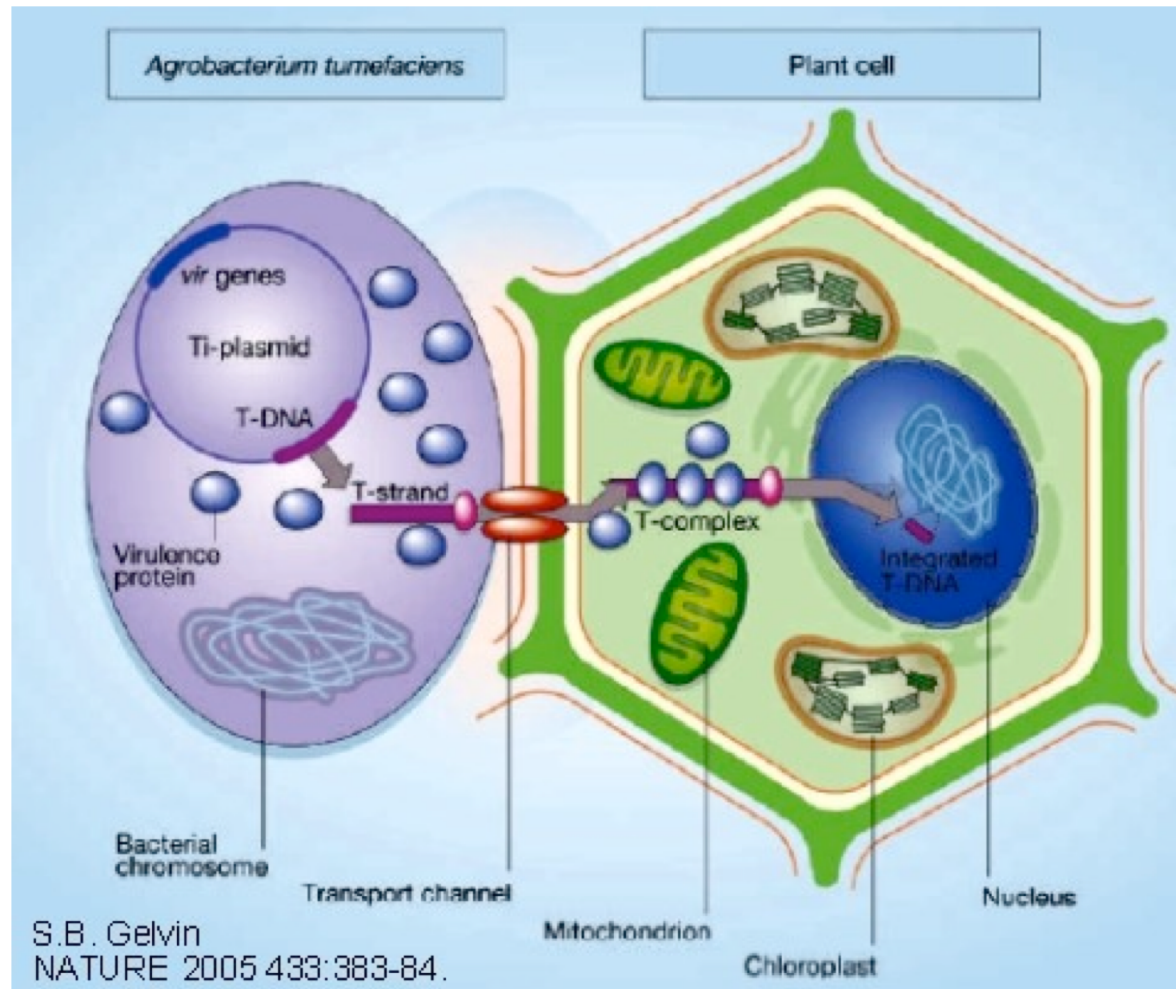
Tools/methodology

Gene cloning



Tools/methodology

Creation of transgenic plants – molecular biology & crossing



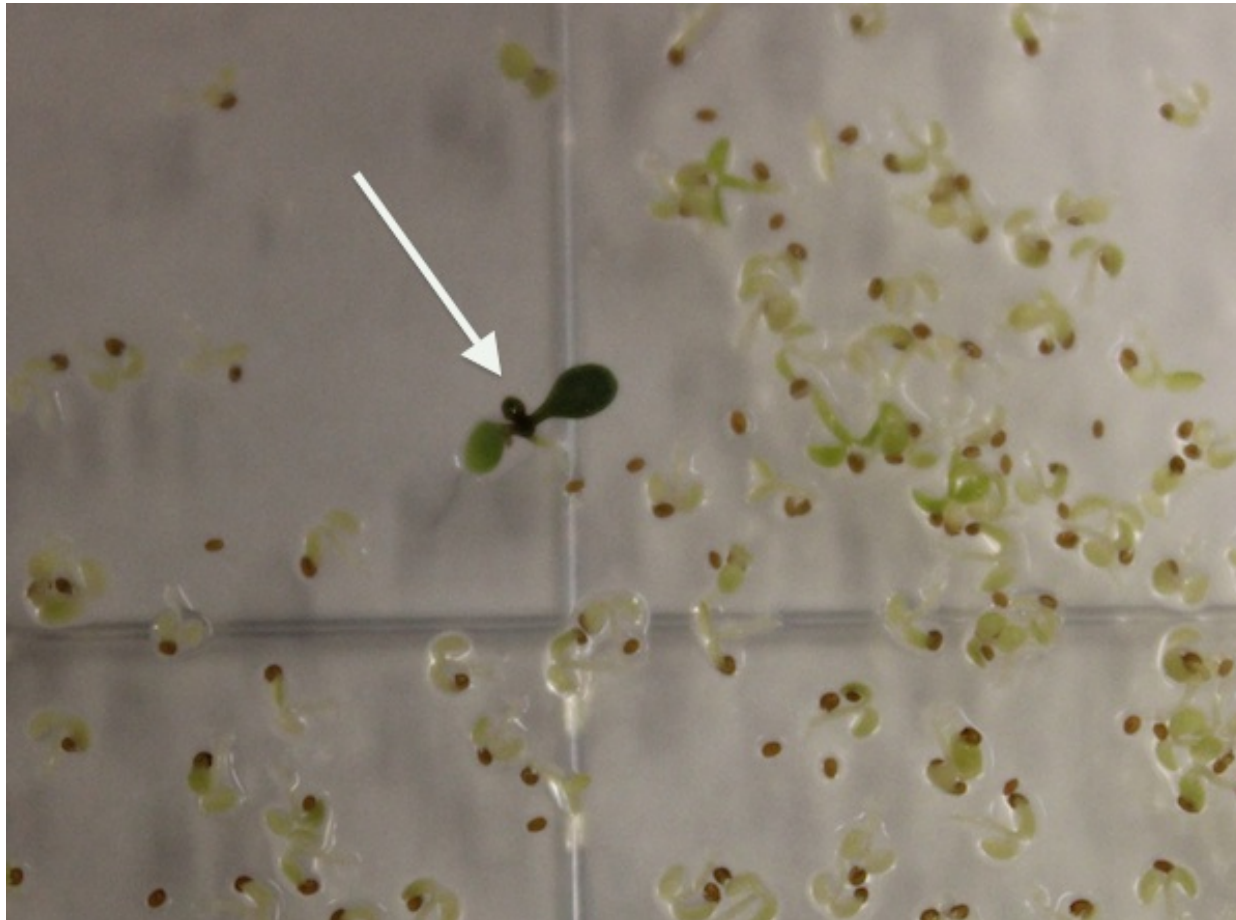
Tools/methodology

Creation of transgenic plants – molecular biology & crossing



Tools/methodology

Creation of transgenic plants – molecular biology & crossing

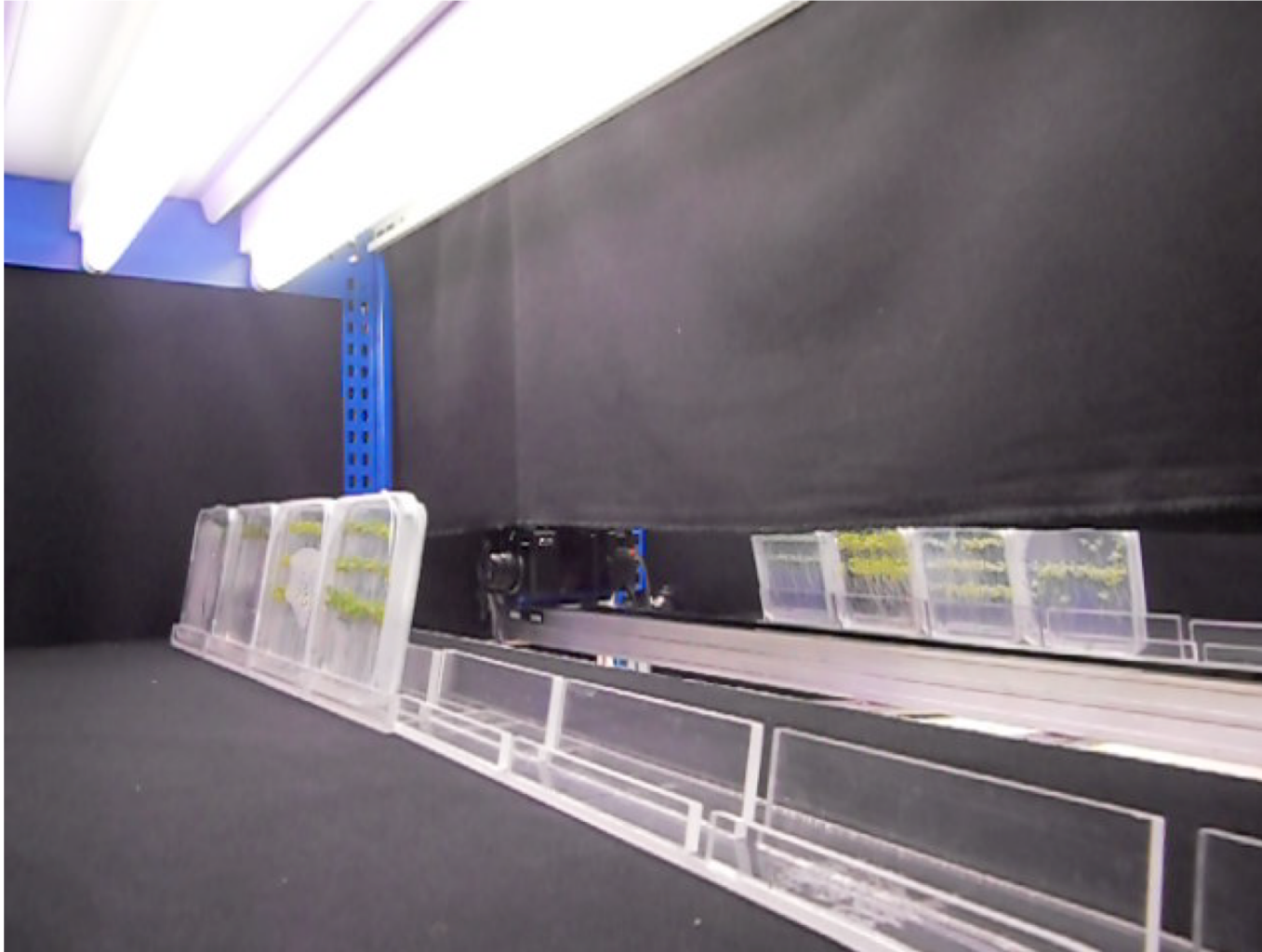


Tools/methodology

Microscopy

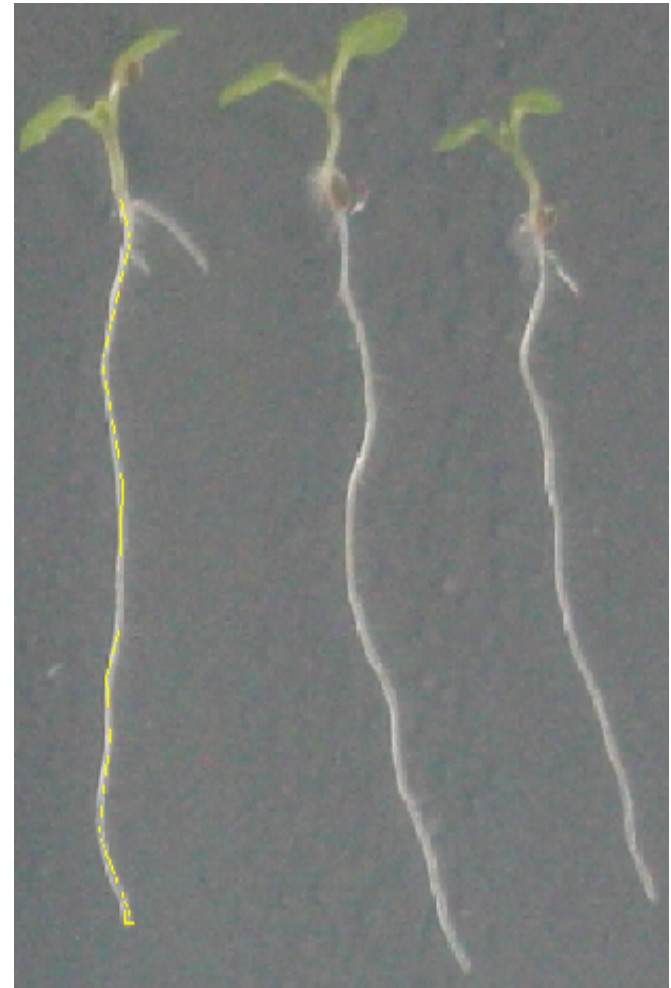
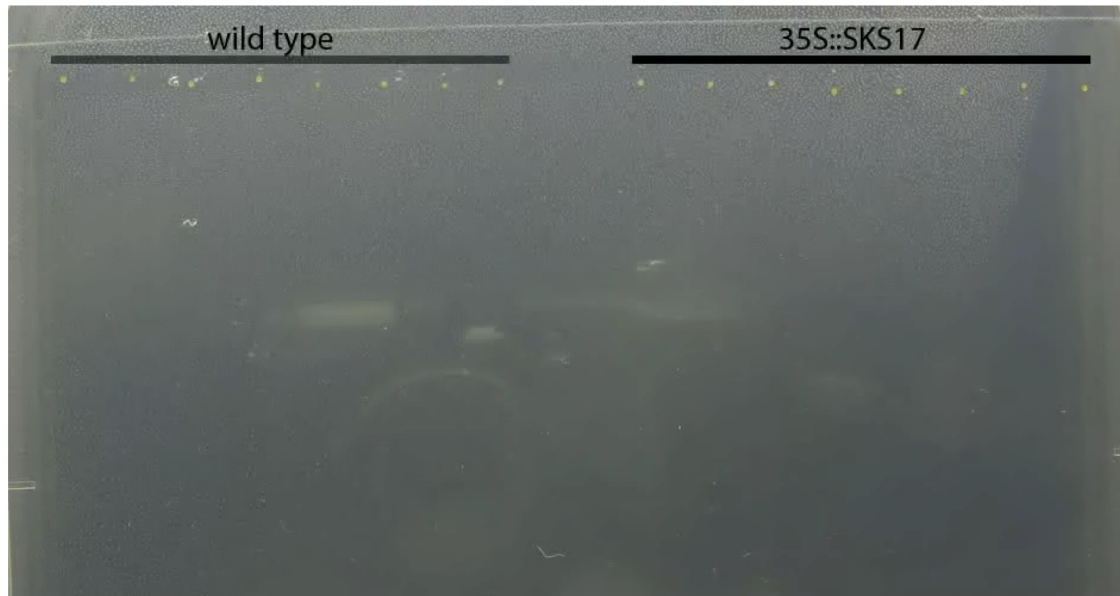


Tools/methodology



Tools/methodology

Microscopy & analysis





T.E.I. of Crete

Regulation of root hair growth in Arabidopsis

ERU working hypothesis in root hairs

