



# Comenius Meeting Granada 2012

*"The Game of Proteins"*

April 16th – April 21th



**16th April**

**Arrival in Spain**

















# Getting acquaintance with Granada

























































HERNAN PÉREZ DEL POBRE • GOVERNOR DE CATALUÑA



San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios

San Juan de los Rios







**17th April**

**Arriving at  
Aynadamar High School**











WELCOME!

WELCOME!

DOBROROŠLI

WELCOME!

WELCOME!

ACCUEIL



üdvözöljük

Bievenids

WELCOME!

# **Opening ceremony at Aynadamar High School**





















# **Practical workshop: ELISA test**







## Pregnancy test negative



Liquid flow direction

If the hormone hCG isn't in the urine, A1 moves farther over the result area. B1 also moves with the liquid flow and binds to antibody B2. This leads to a colouring in shape of a horizontal line (control).

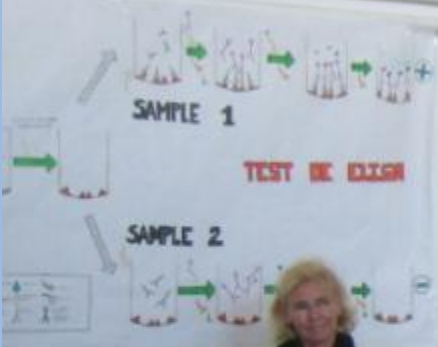












A woman in a black jacket is standing and talking to the group.

A man in a white lab coat is sitting at a desk.

A woman in a white lab coat is standing and talking to the group.

A woman in a white lab coat is sitting at a desk.

A man in a white lab coat is sitting at a desk.

A woman in a white lab coat is sitting at a desk and talking to the group.

A woman in a white lab coat is sitting at a desk.

25

26

27

**Time for  
Andalussian breakfast**













# **Continuation of workshop**





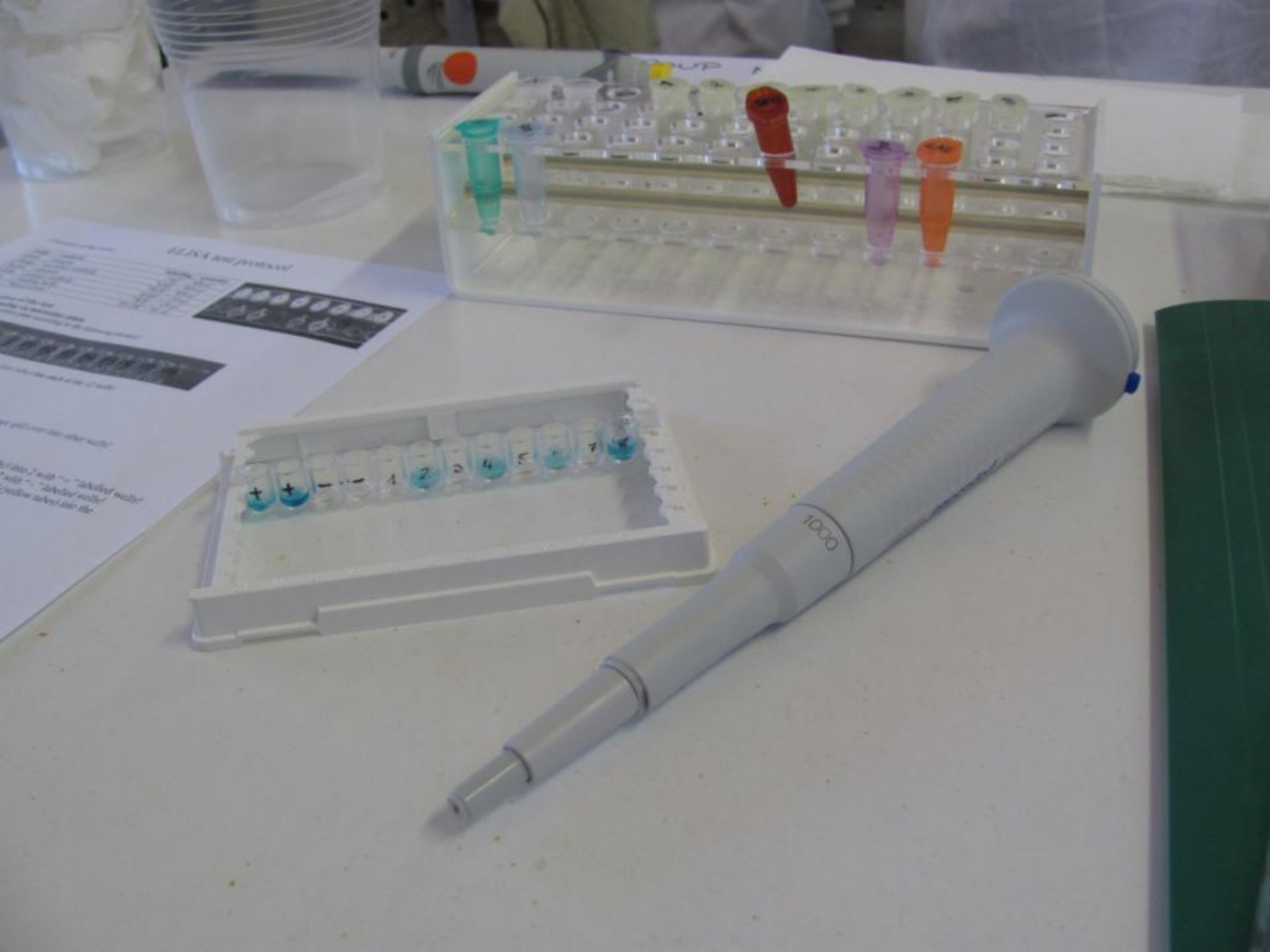










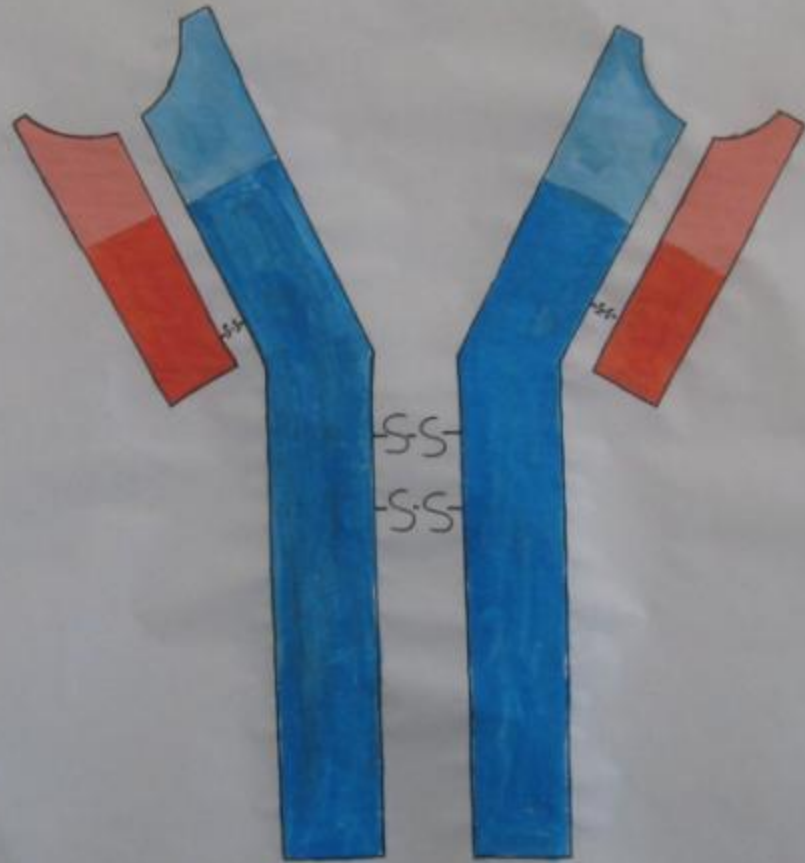






**Posters**

# ANTIBODY STRUCTURE





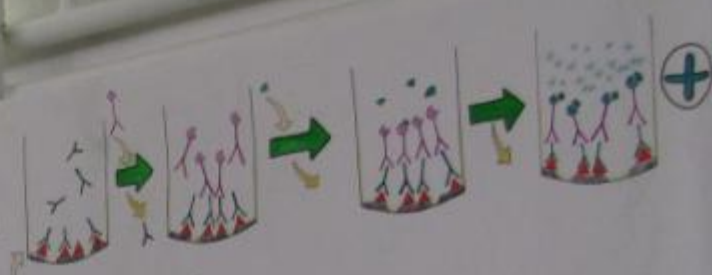
HIV



SAMPLE 1

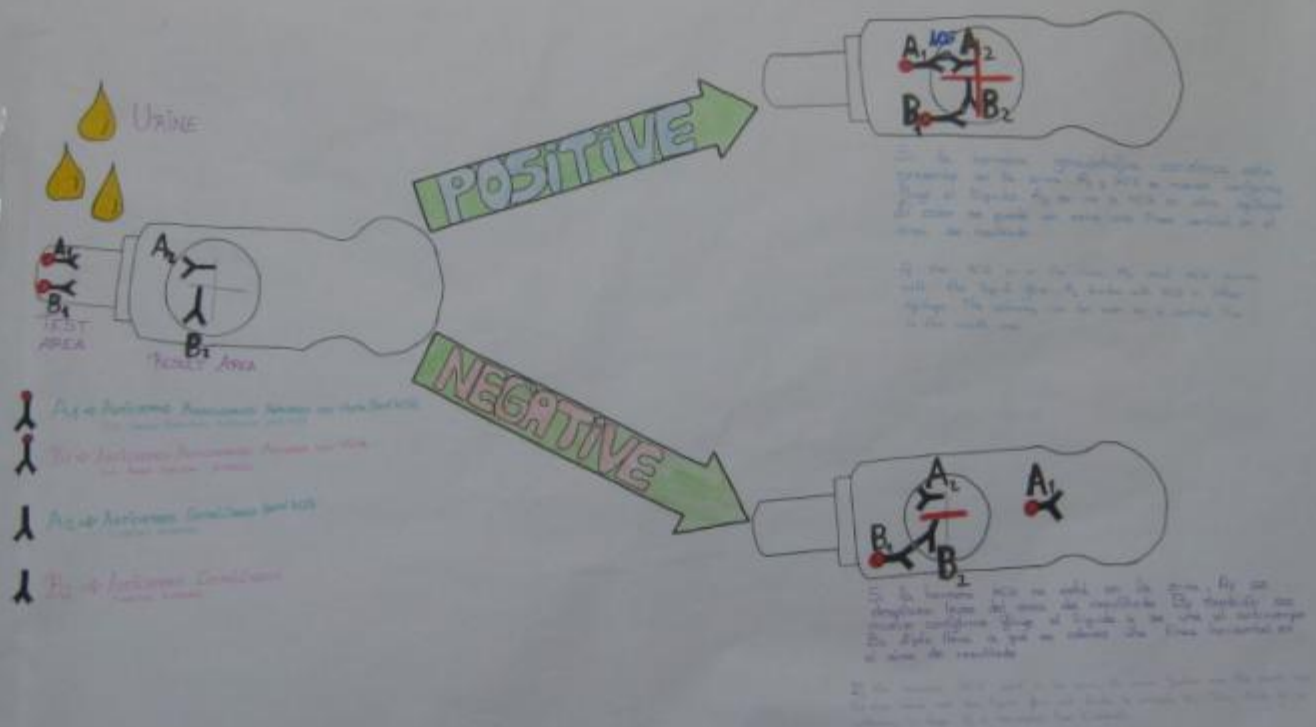
SAMPLE 2

TEST DE ELISA



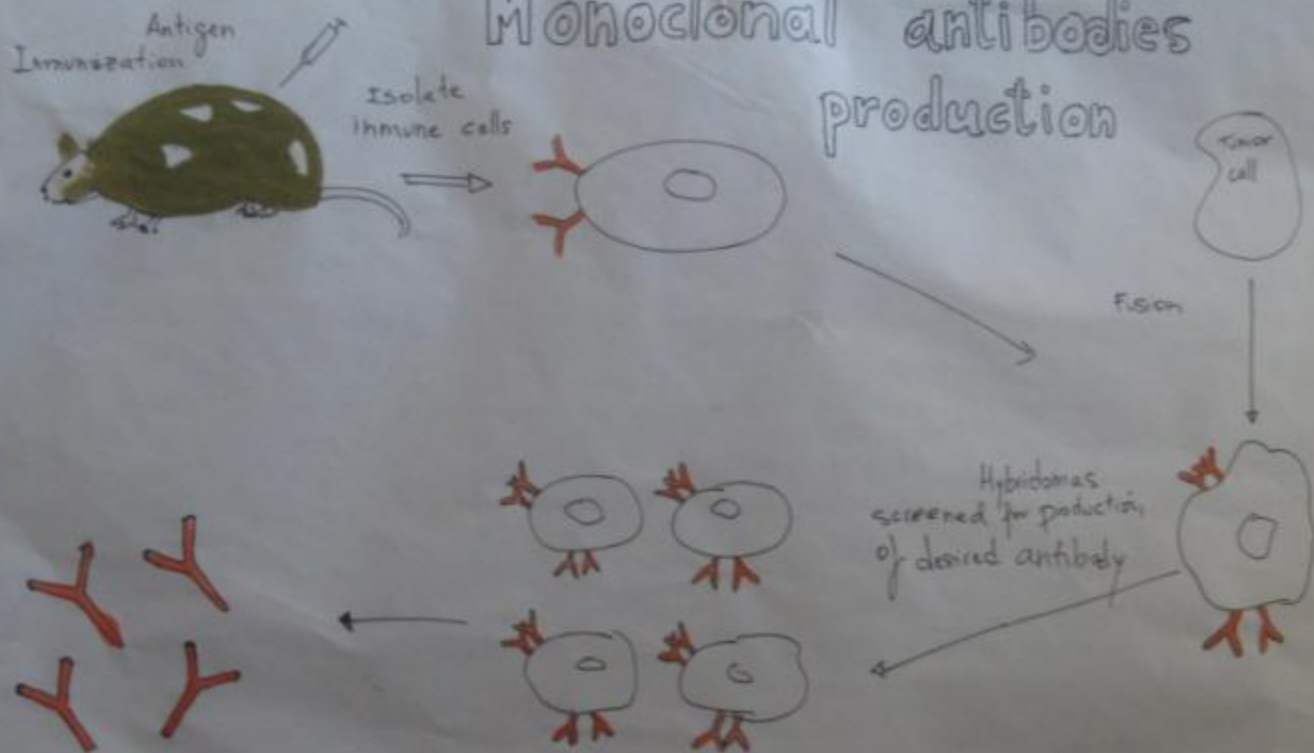
# TEST DE EMBARAZO

## PREGNANCY TEST

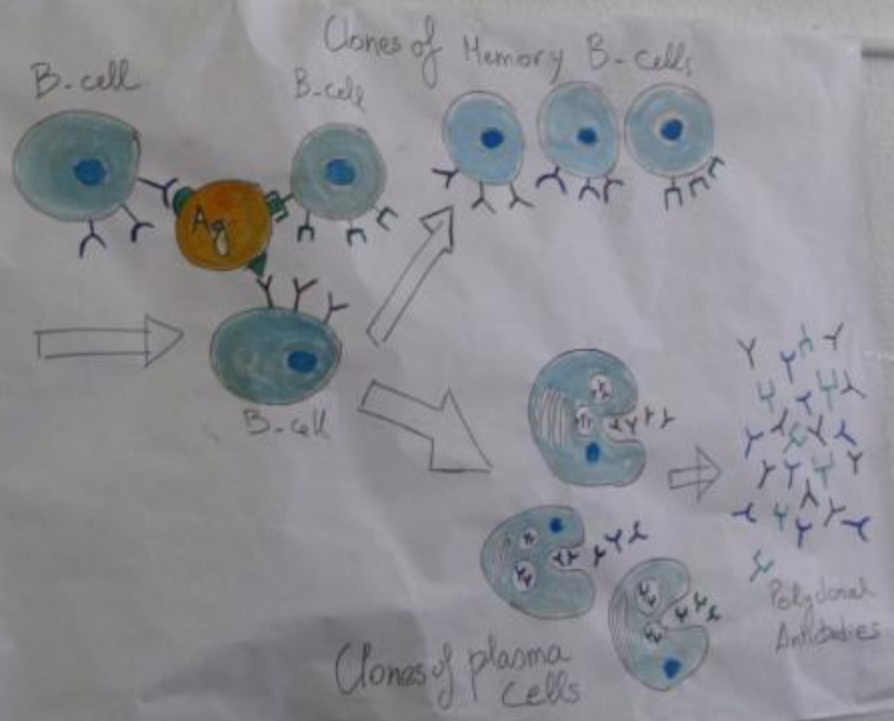
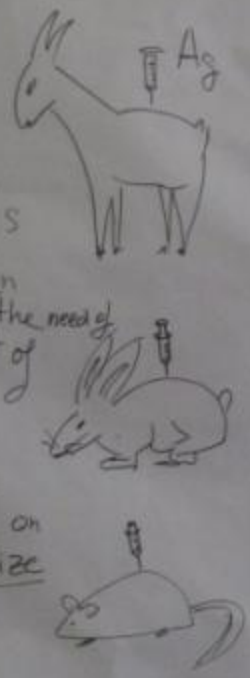




# Monoclonal antibodies production



Animals  
Selection  
based on the need of  
amount of  
Abs,  
Select  
animal  
based on  
their size





# **Lunch at the Faculty of Education**

FACULTAD  
DE  
CIENCIAS DE LA EDUCACION

10

mo

7434 GWX













# **Around the Faculty of Education**









# **Granada City Tour**

Guided by students





























AYUNTAMIENTO DE GRANADA  
EXPT 13218/2006  
RECONSTRUCCIÓN DE CRISTALERÍA Y  
PINTURAS DE LA CAPILLA REAL DE  
GRANADA

Handwritten graffiti on the cardboard wall, including the letters "E" and "H" in a stylized font.













INTERNATIONAL  
PRESS  
DIGITAL  
ACCESSORIES

IAS CD\*FILAS  
BATTERIES

Nestlé  
ven!

Phone cards  
CARTES TEL  
TARJETAS  
TELEFONIA  
RECIBO  
SIM CARDS

CD / DVD  
REPRODUCTION

CD / DVD  
REPRODUCTION

CD / DVD  
REPRODUCTION

MUSEO  
DE LAS  
PISAS

PISAS

CALLE  
DE  
DADRO

Hotel  
Casa del  
Capitán Nazari

Hotel  
Casa 1800



EXCEPTO ACCESO  
A COCHERAS Y AL  
HOTEL CASA 1800

































**April 18th**

**Workshop:  
chromatography of GFP**

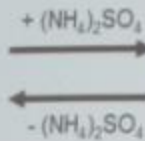




Hydrophilic -  $\rightleftharpoons$  hydrophobic  
Protein



Hydrophilic protein  
not able to interact  
with hydrophobic  
stationary phase



Hydrophobic protein is  
bound to hydrophobic  
stationary phase by Van-  
der-Waals-Kräfte

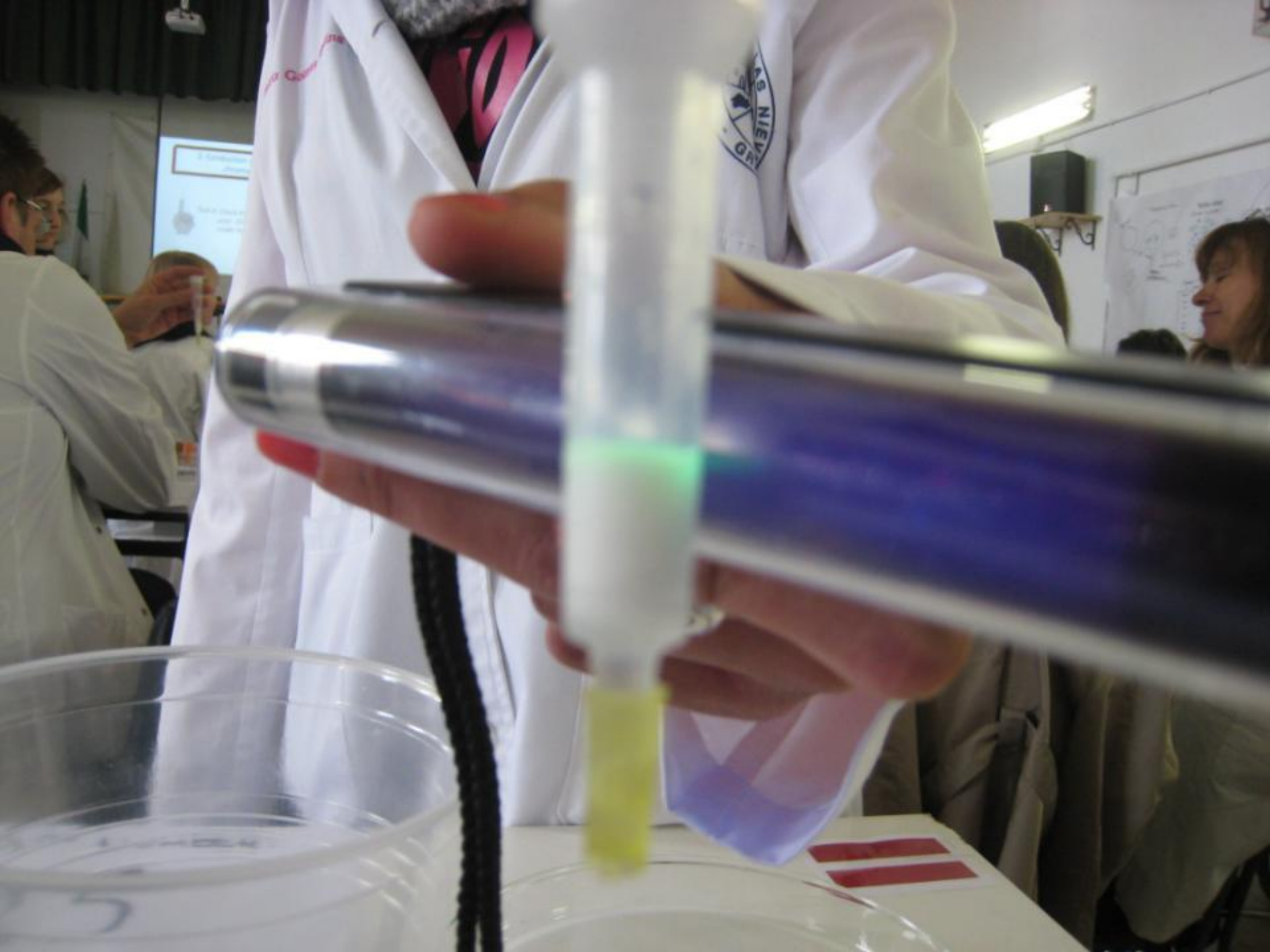




















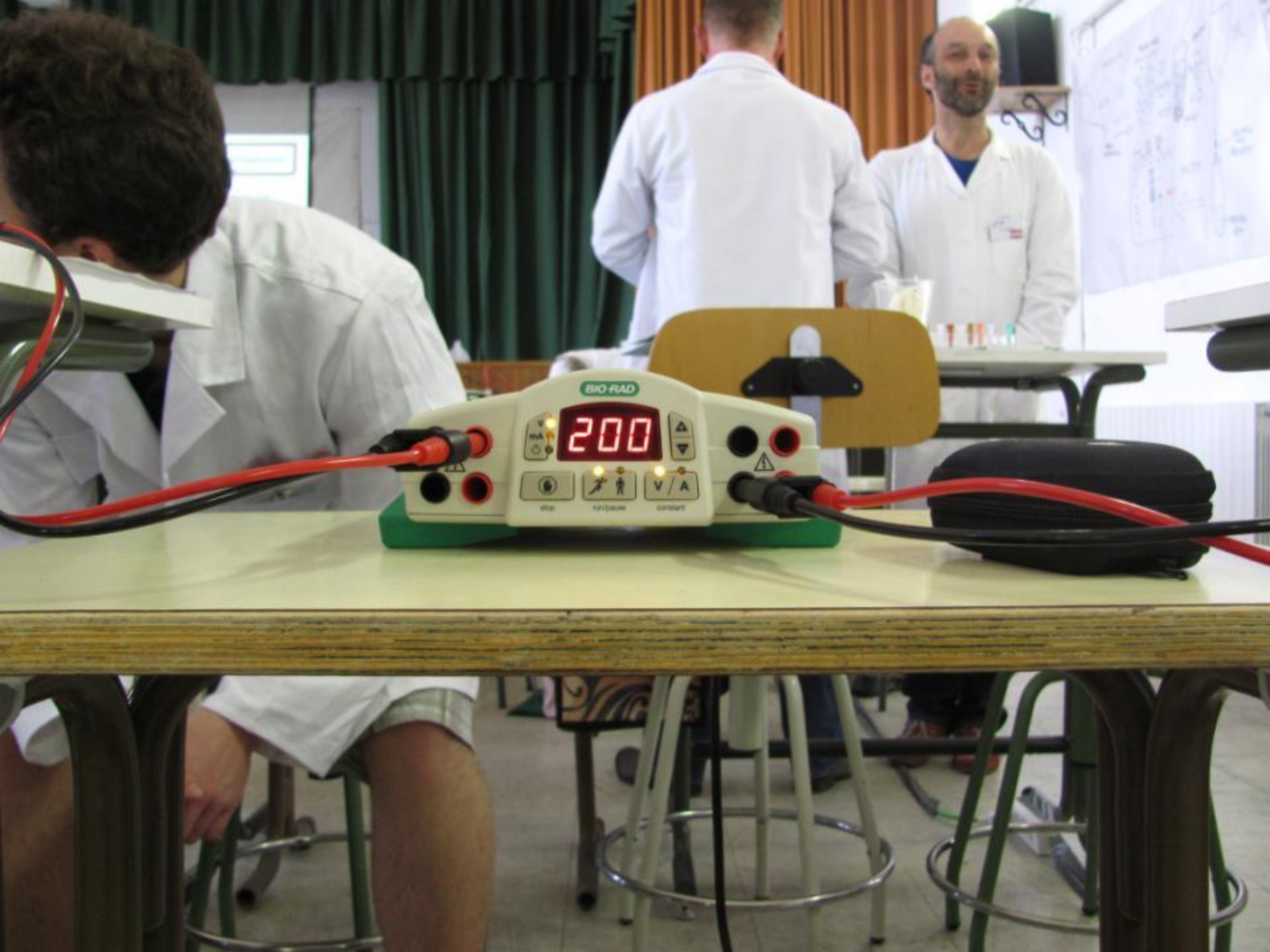






GROUP NUMBER:  
13







**Traditional dish - paelja**















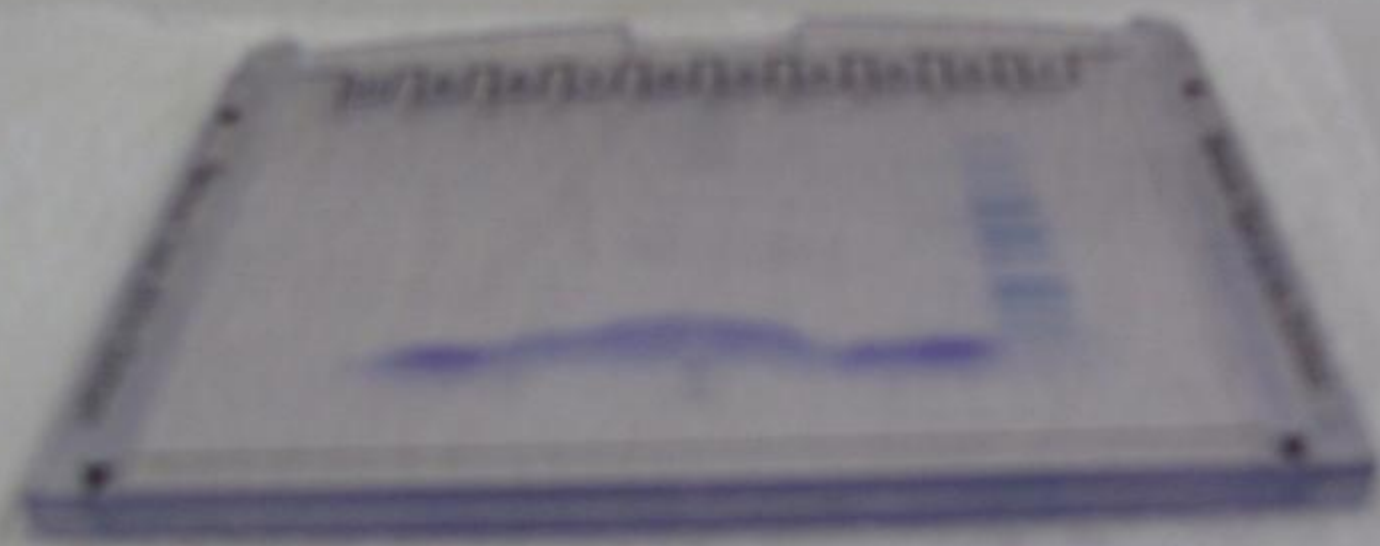
# Continuation of workshop

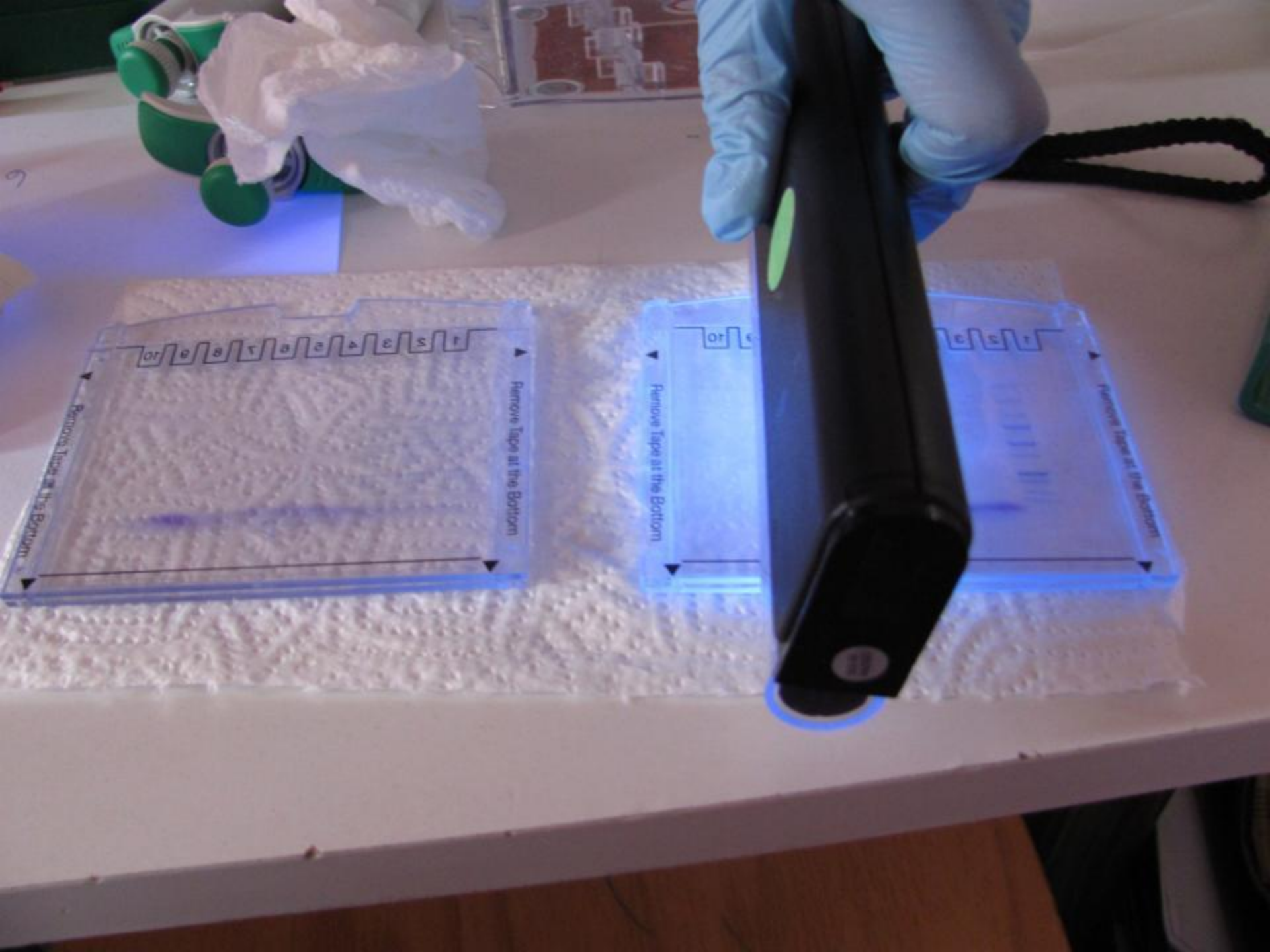
















## 6. Execution of the electrophoresis

... the gel ... and start  
electrophoresis at 200 V.

... when  
... the



**April 19th**

# **Visit to Alhambra**









































CONTINUACION VISITA  
→















































































# **Visit to the Science Park Granada**









Observatorio  
astronómico



































Fourth lumbar vertebra













**20th April**

**Trip by bus to  
the coast of Almeria**













# **Visiting "Sea of greenhouses"**



























# **Visit to the Mediterranean Sea**













**Farewell**















# **Thank you for your attention!**

**Made by:**

**Māris Jaunskalžis**

**Ieva Petrovska**

**biology teacher Erita Maurīte**