



# Welcome

Namaste  
Kaabo  
Croesawu

Velkomin  
Heten

Bienveni  
Bonvenon

Mirëpres

Dobrodošli  
iBiala  
Gaimarutin

Selamat Datang  
Hospedar

Swagata  
Akwaba  
Goscic  
Recoger  
Acolir

Velkommen

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Bienvenidos  
Sambut

Ongietorri  
Gwinda  
Tonhap

Yokôso  
Laukiamas  
Swaagat

Fáilte

Siyakwamukela

Karibu

Swagatham

Sugeng Rawuh

Hozta

Herzlich Willkommen

добре дошъл

Toivottaa

Welkom  
Sanno da zowa

Tervetuloa

欢

迎

Vítejte  
Karibuni

Moguah  
সর্বাগত

Dobre dojde  
Woezor  
Wellkom  
MireSevini

EKomMai

Beningut  
Degemer

Maligayang Pagdating

Uvitani

Teretunud  
Hoan Nohab

Bonavinuta

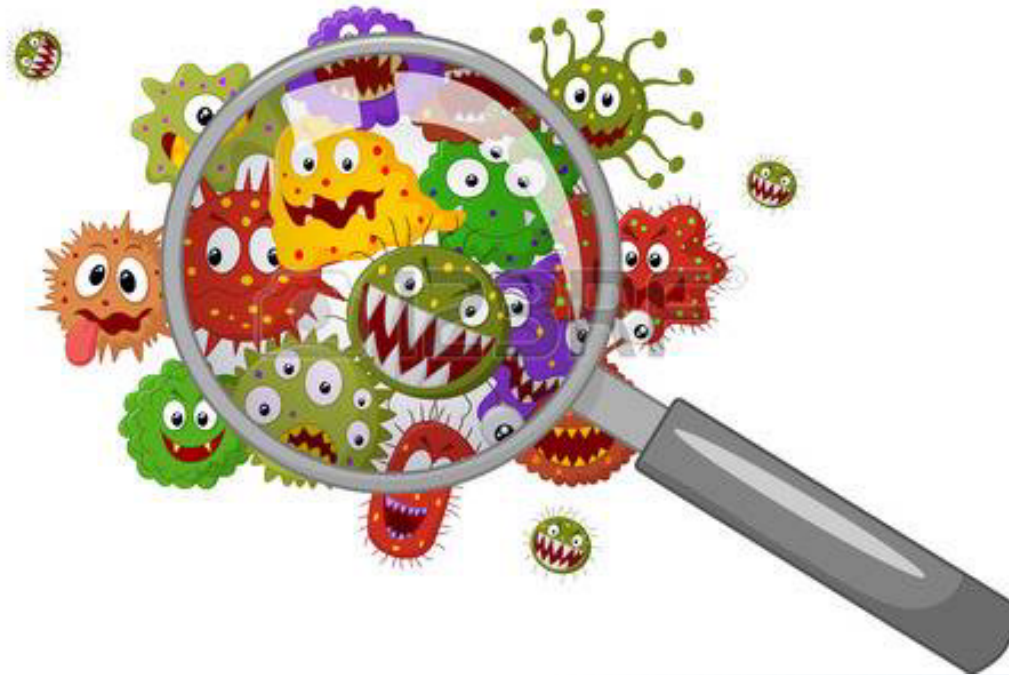
Hwangyong Hamnida

Ontvangen



# Overview of the course

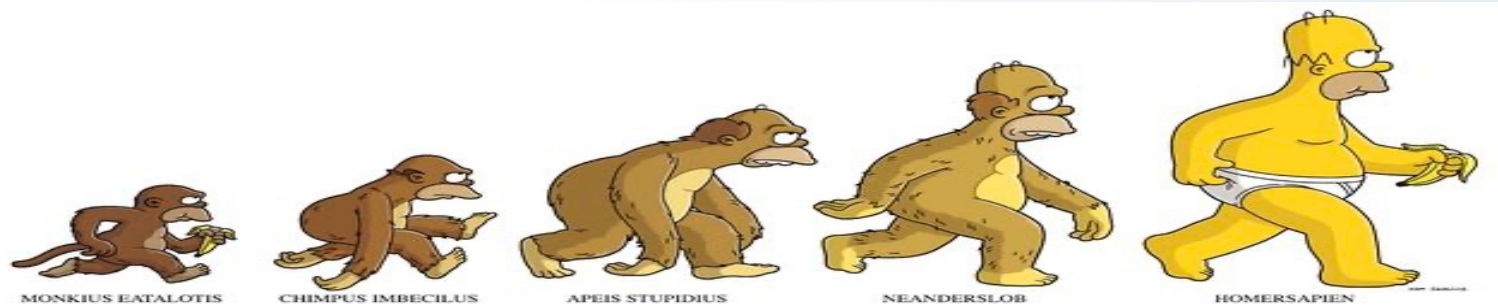
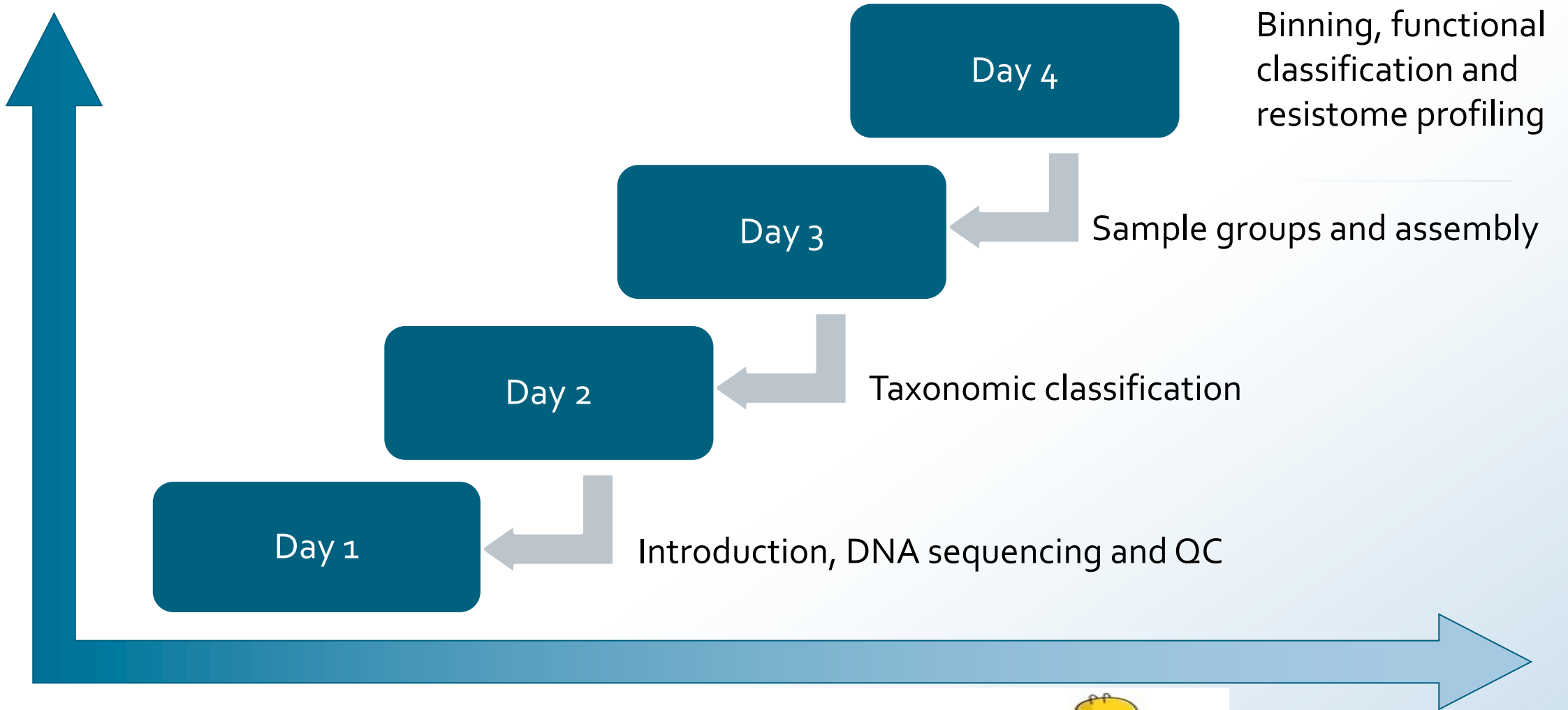
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Focus on bacteria in microbiomes



Analyse NGS (Illumina) data



HOMERSAPIEN

[http://pt.simpsons.wikia.com/wiki/Arquivo:Homer\\_sapien.jpg](http://pt.simpsons.wikia.com/wiki/Arquivo:Homer_sapien.jpg)

# What is expected from you during the course?

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Multitasking is addictive and damaging






# What is expected from you after the course?

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Understand the key concepts of metagenomics

Know how to perform taxonomic analysis

Be able to compare groups of samples



I have black belt in metagenomics

Be able to perform metagenomic assembly and binning

Know how to perform functional analysis

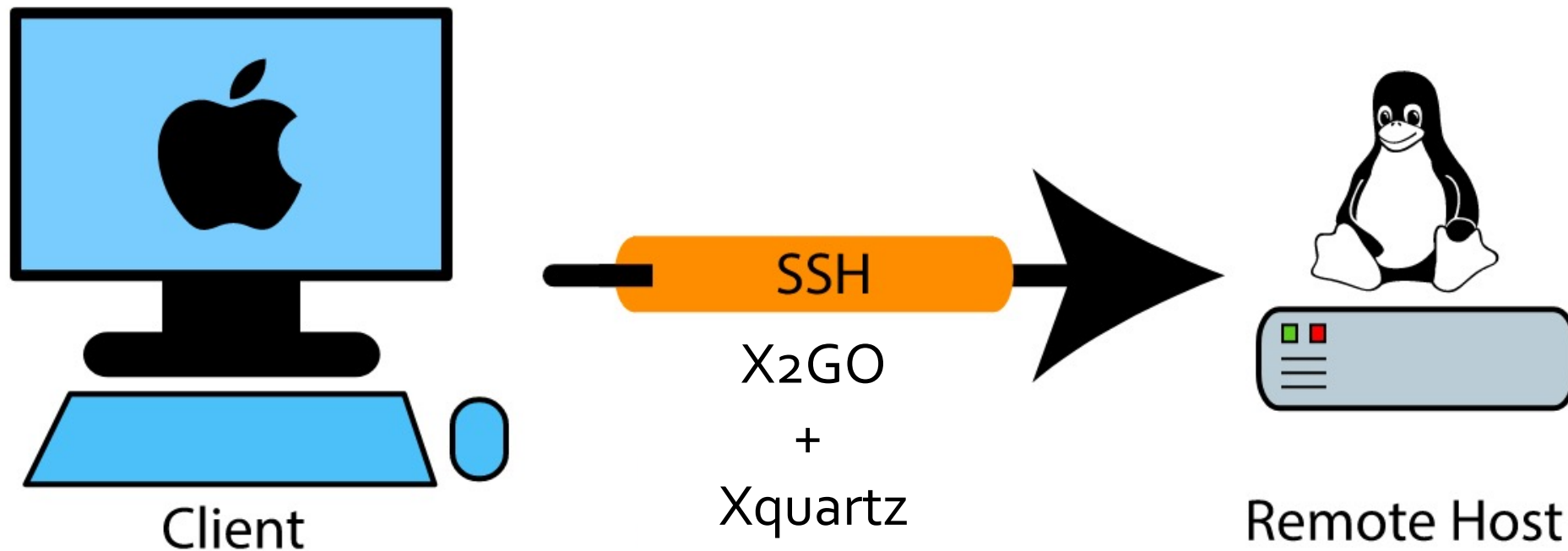
Be able to identify AB resistance genes

# Some practical information – the virtual machines

All practical exercises will be done on a virtual machine (VM) with Ubuntu OS (Linux)

You can access this through X2Go, a remote desktop software for Linux that gives remote access to a Linux system's graphical user interface

Locally you need a X server such as Xquartz to display the desktop of the remote machine



# Alternate between lecture and exercises

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Theoretical introduction to topic and tools



Practical exercises for each topic

# Overview of the practical part - in more detail

