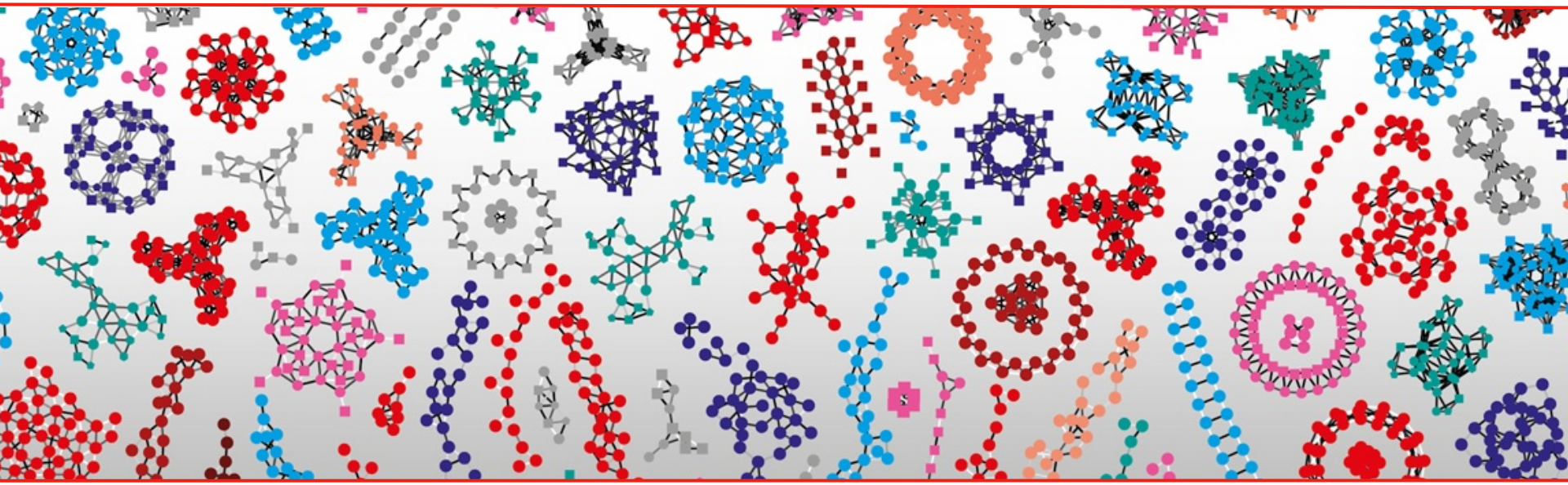
ESCMID

CHUV

SIB Swiss Institute of Bioinformatics



Welcome and Introduction

ESCMID Postgraduate Technical Workshop

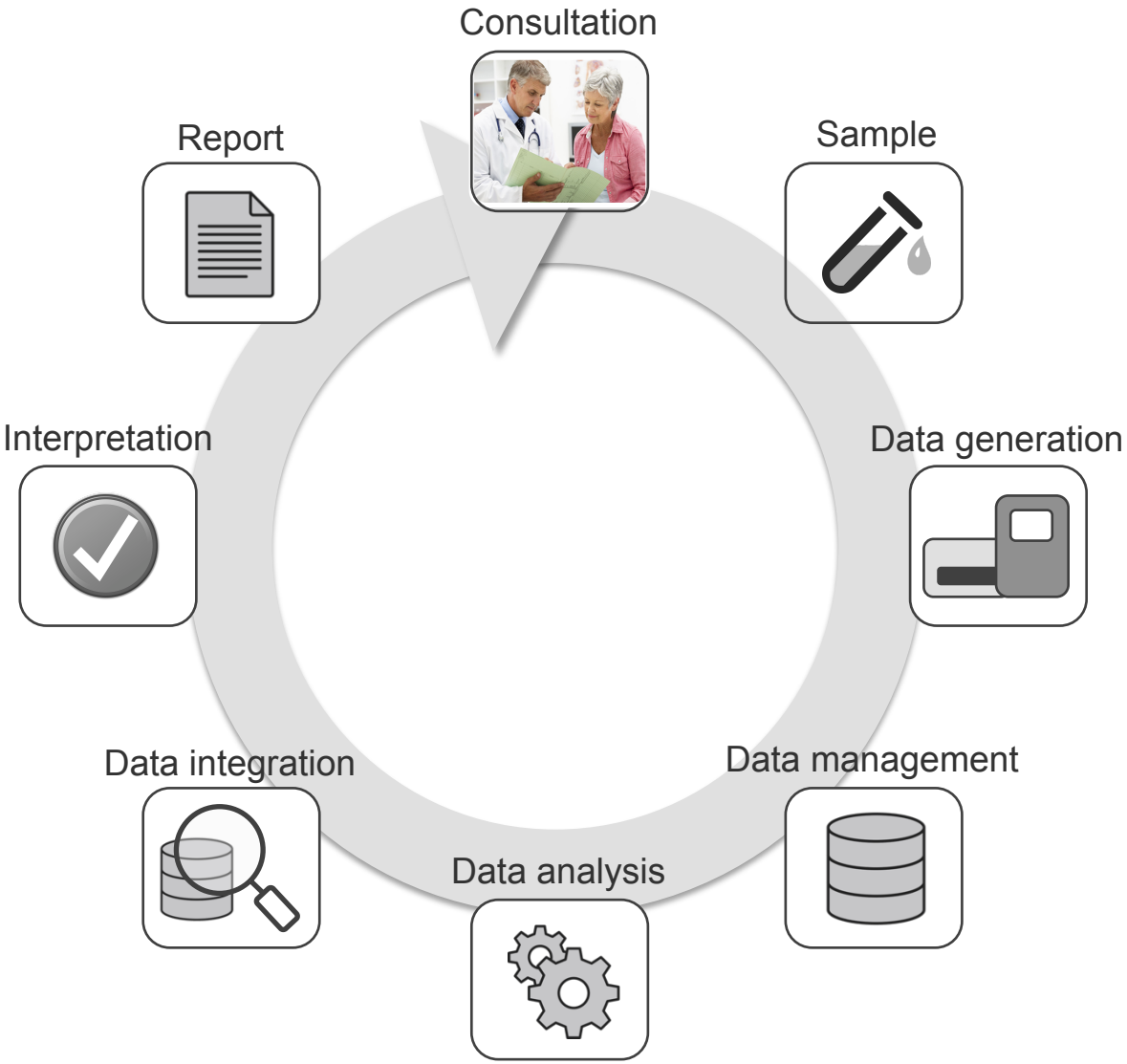
Clinical bioinformatics for microbial genomics and metagenomics

Lausanne, 9-12 September 2019

elixir SWITZERLAND

www.sib.swiss

Clinical NGS pipeline



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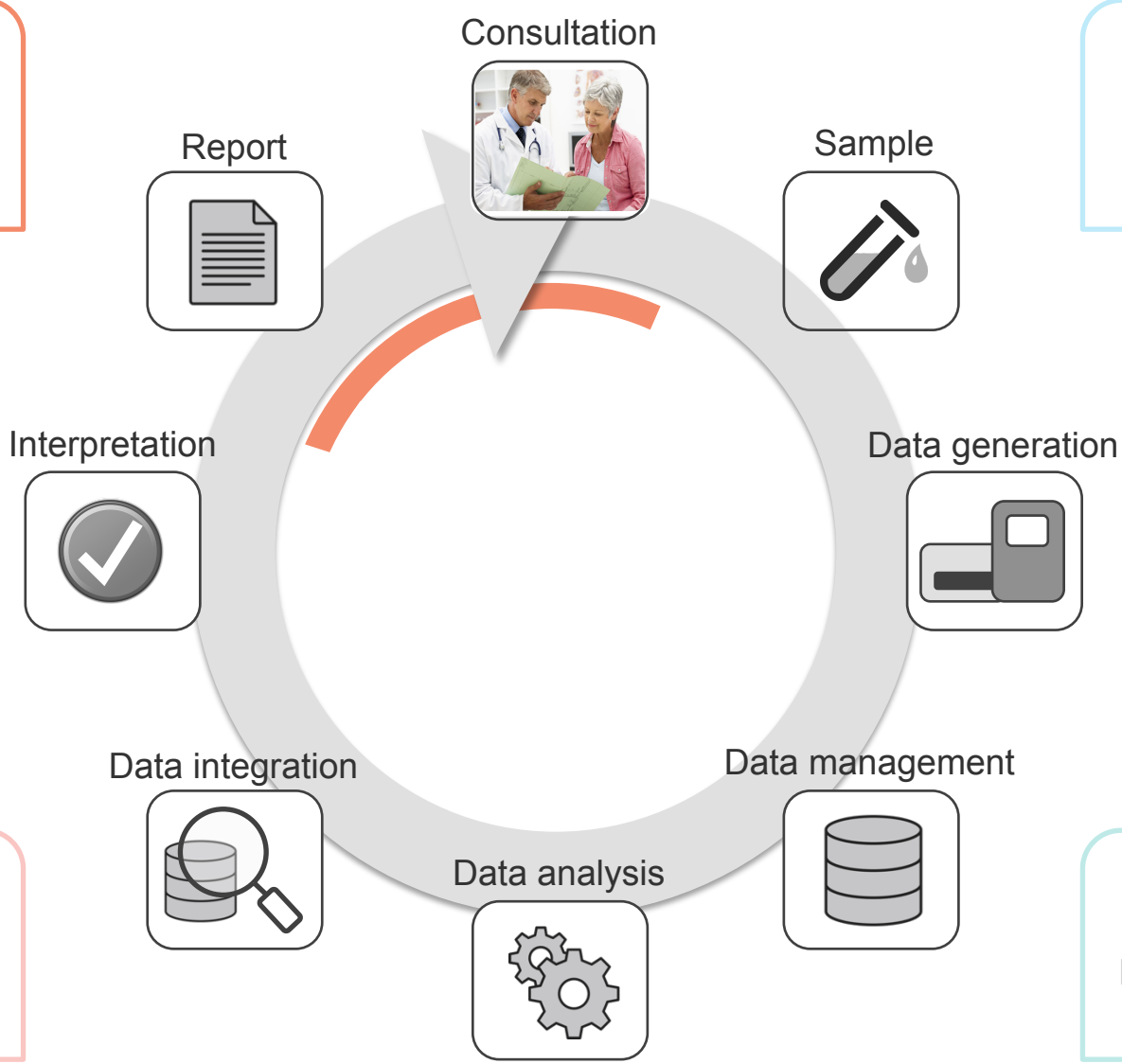
Multiple expertise

Oncologist
Geneticist
Infectiologist
…

Lab staff
…



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Data scientist
Developer
IT specialist
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Microbiologist
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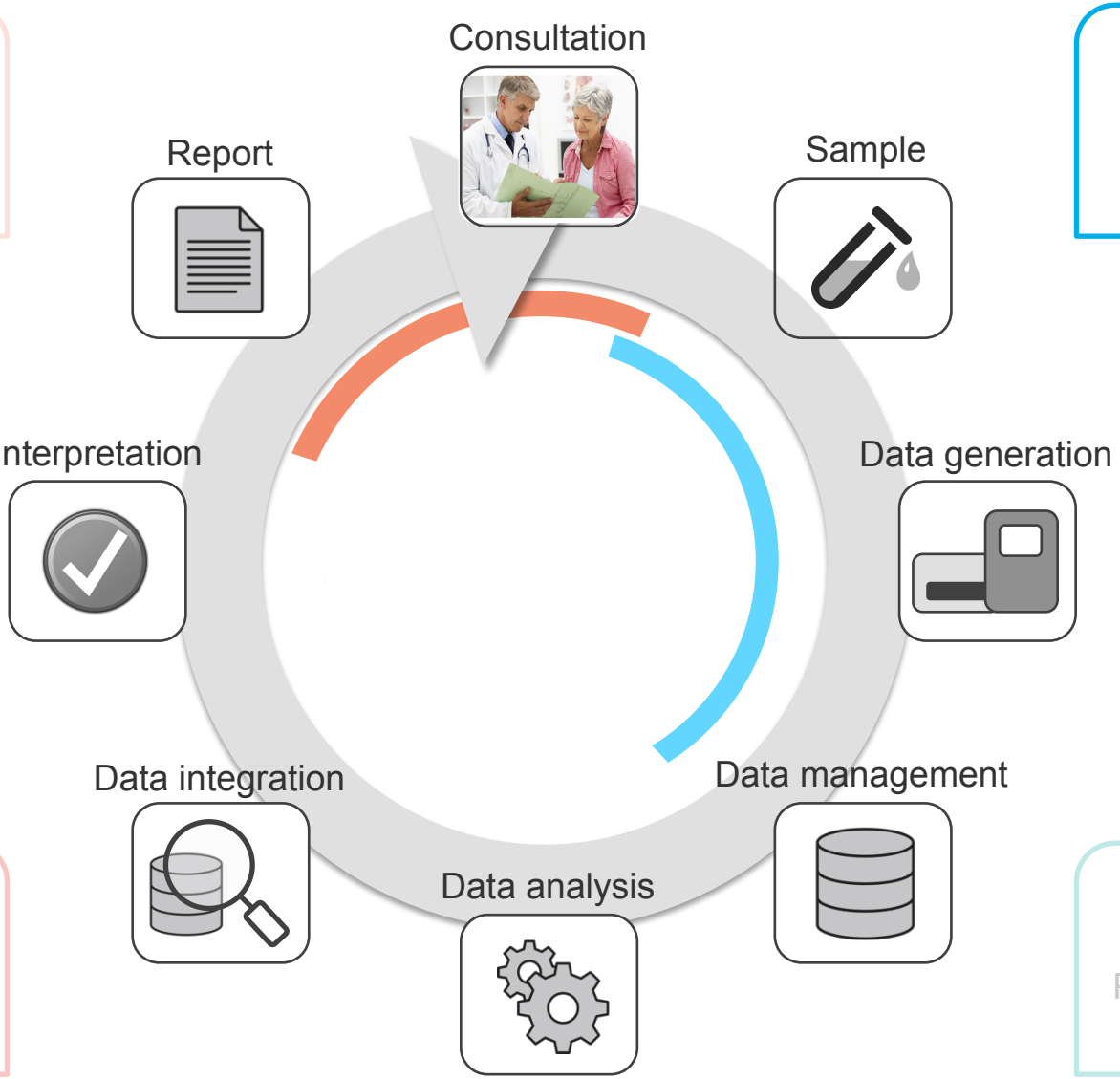

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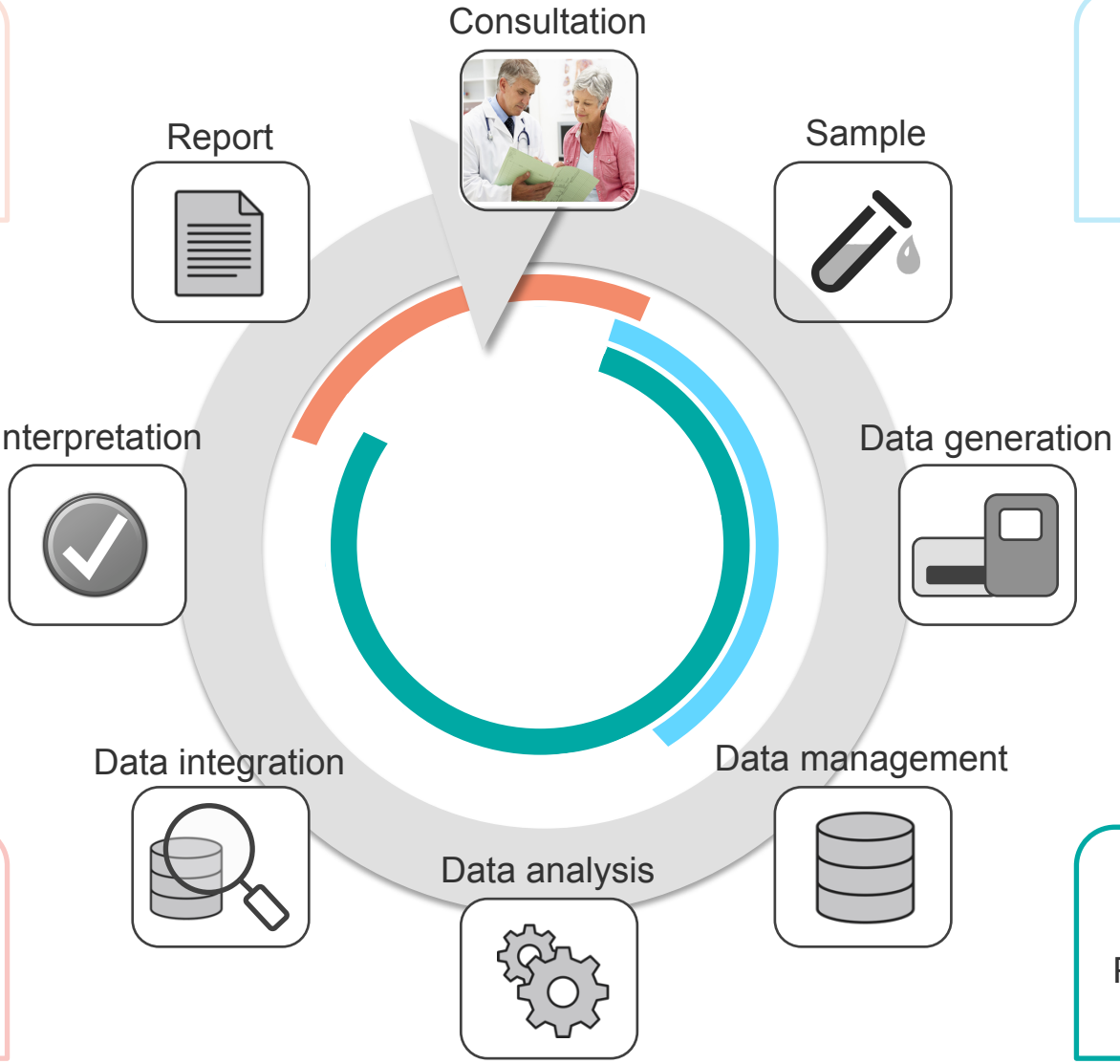

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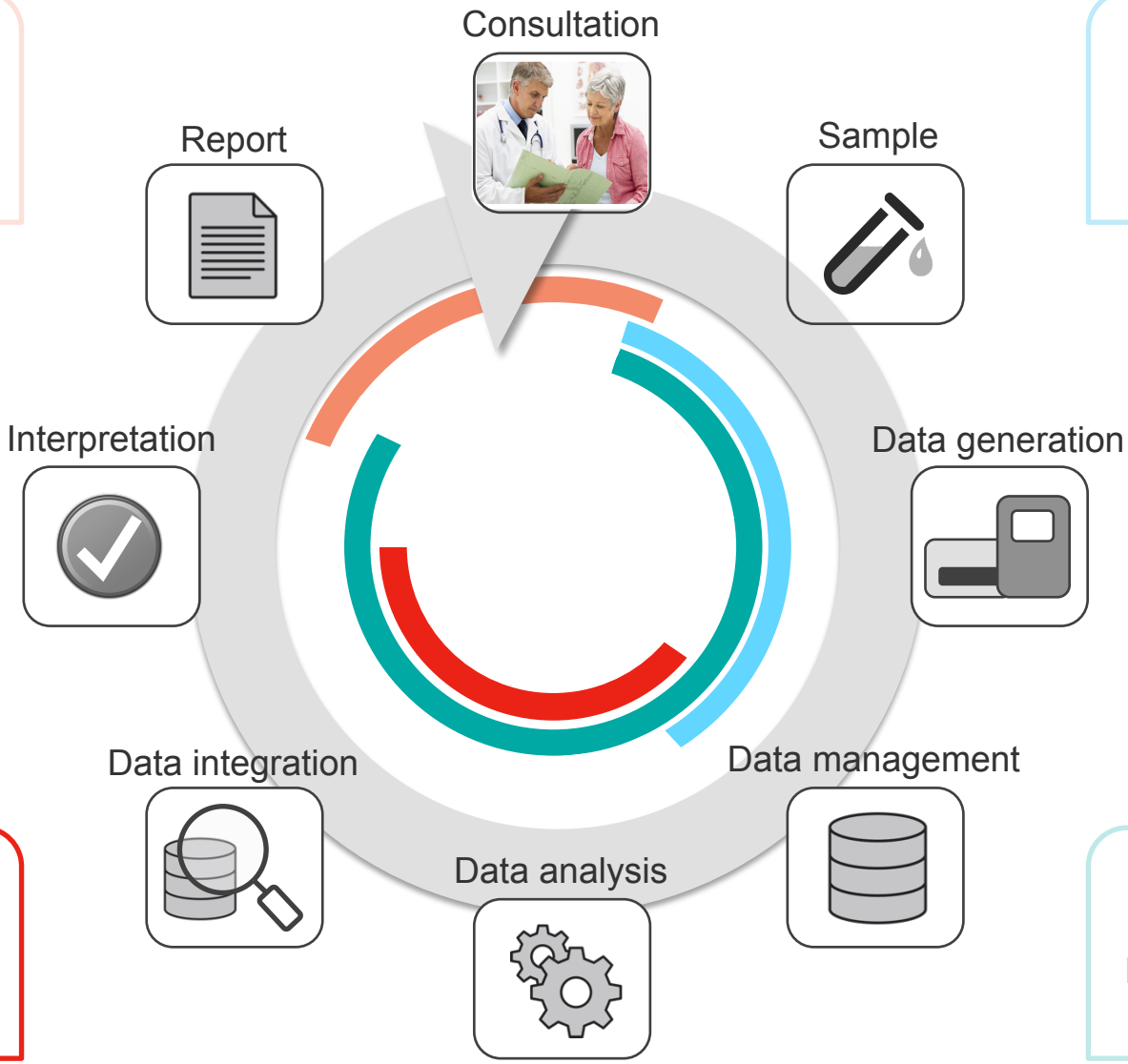

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Clinical bioinformatics for microbial genomics and metagenomics

9-12 September 2019 - Lausanne, Switzerland

Aim Train clinical microbiologists in applied bioinformatics

Target 30 clinical microbiologists with no programming background

Day 1	Session 1: NGS Clinical applications Session 2: NGS technologies and data pre-processing
Day 2	Session 3: Alignment and assembly Session 4: Typing and phylogenetics
Day 3	Session 5: Resistance and virulence Session 6: Metagenomics taxonomic classification
Day 4	Session 7: Bioinformatics capacity building

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ESCMID Postgraduate Technical Workshop

Stay tuned on escmid.org

ESCMID

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Target ~~30~~ 50 clinical microbiologists with no programming background

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Day 3	Session 5: Resistance and virulence Session 6: Metagenomics taxonomic classification
Day 4	Session 7: Bioinformatics capacity building

Practical/fun info

Special thanks to SIB Training group!
Dr. Patricia Palagi, Margaux Roulet

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House keeping information

- WIFI
  - Eduroam, or
  - network: guest-unil, password: ESCMID

- Coffee breaks: 10h30/15h30 (negotiable ☺) – outside this door

- Lunch – at the Banane – around 12h30
  Table is reserved
  Tickets
    - eat/drink whatever you would like up to CHF 15.00

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This evening – Olympic Museum Visit

- Meeting point - 18h in the Olympic Museum
- Getting there:

From Lausanne-Flon or Lausanne train station: Take the M2 metro line to Ouchy and walk 10 minutes from the metro to the Olympic Museum (to the left when facing the lake)

From St-François: Take the bus 8, Direction Verrière, stop at Musée Olympique

From Délices: Take the bus 25, Direction Pully, gare, stop at Musée Olympique

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This evening – Olympic Museum Dinner

- Meeting point - 19h30 in the Olympic Museum
- Getting there:

From Lausanne-Flon or Lausanne train station: Take the M2 metro line to Ouchy and walk 10 minutes from the metro to the Olympic Museum (to the left when facing the lake)

From St-François: Take the bus 8, Direction Verrière, stop at Musée Olympique

From Délices: Take the bus 25, Direction Pully, gare, stop at Musée Olympique

The restaurant is on the top floor of the Olympic Museum. For those who do not come to the visit, the restaurant is directly accessible from the north entrance.

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Wed evening – Game Party

- Big game party – in this room – 18h to 20h

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Thank you for being here, hope we have fun together and learn/share a lot!

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