

# Offering researchers Interactive Online Companionship to acquire lasting expertise in genomic data analysis

Lijiao NING<sup>\*1</sup>, Léa BELLENGER<sup>\*1,2</sup>, Naira NAOUAR<sup>1</sup>, Christophe ANTONIEWSKI<sup>1</sup>

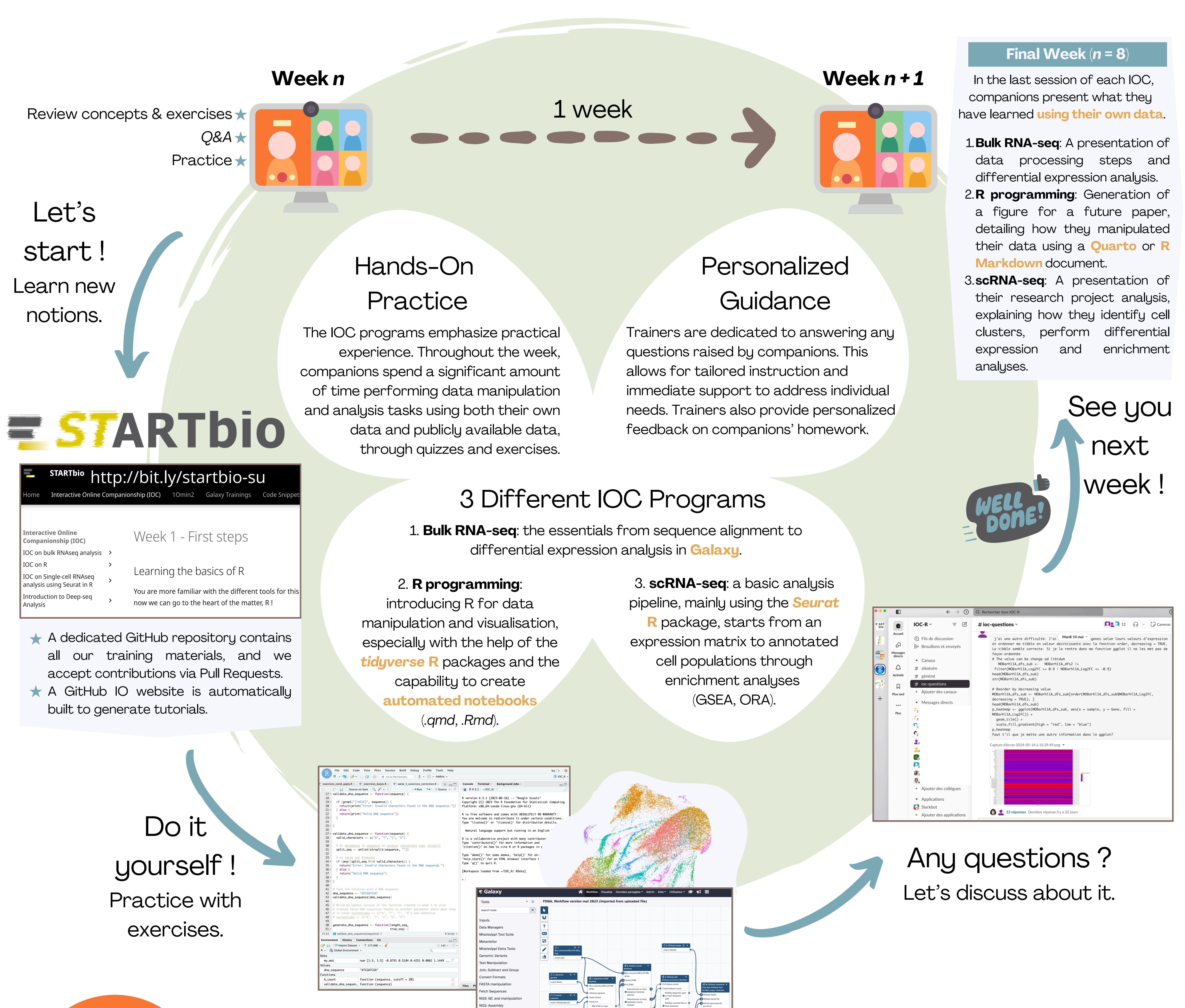
<sup>1</sup> ARTbio Bioinformatics Platform, Institut de Biologie Paris-Seine (CNRS FR3631), Sorbonne Université, Institut Français de Bioinformatique (IFB), 75005, Paris, France

<sup>2</sup> Inserm, Développement pathologies et réparation des tissus U1156, 75005, Paris, France

Our platform has developed an “**Interactive Online Companionship**” (IOC) specifically tailored to initiate researchers into bioinformatics. The IOC involved one-to-many virtual work sessions where companions are trained to **analyze their own data**. All IOC programs are structured into a series of modules, with each module building upon the knowledge and skills acquired in the previous one. One module lasts one week, during which companions dive into **online materials** to ensure they understand and internalize the content. Companions then complete **quizzes and exercises** using both public and their own data to gauge their understanding, receiving **personalized feedback** on their work. To facilitate their learning, we provide access to computational resources such as Rstudio and Galaxy servers. The module wraps up with a two-hour videoconference to recap the week's material and address any questions. These videoconferences are recorded and made available for later viewing, ensuring continuous access to the learning resources.

By the end of an IOC, companions will be equipped with expertise and confidence to run their own analyses independently.

## Training Schedule



Talk to us  
+33 1 44 27 70 07 05  
artbio@listes.upmc.fr

We're  
Hiring!

FRANCE GENOMIQUE

IFB  
INSTITUT FRANÇAIS DE BIOINFORMATIQUE

IBiSA  
Infrastructures en Biologie Santé et Agronomie

S  
SORBONNE  
UNIVERSITE

S  
INSTITUT DE  
BIOLOGIE  
PARIS ■ SEINE

cnrs

Inserm