



## GOBLET & H3ABioNet Bioinformatics Training Best Practices Workshop



The Global Organisation for Bioinformatics Learning, Education and Training (GOBLET: [www.mygoblet.org](http://www.mygoblet.org)), together with H3ABioNet ([www.h3abionet.org](http://www.h3abionet.org)) will be running a Best practices in Bioinformatics Training workshop in Cape Town from the 16-17<sup>th</sup> November. The first day will cover aspects of teaching and the second day will be more of a workshop to discuss bioinformatics curricula, course materials, trainer recognition, etc. This “train-the-trainer” course is designed for anyone who currently or plans to teach bioinformatics both in universities as part of degree programs or as short specialized courses.

The workshop will run at the University of Cape Town Medical School. Attendance is limited to 40 people. If you are interested in attending one or both of these days please send an email to [Zahra.ganesh@uct.ac.za](mailto:Zahra.ganesh@uct.ac.za) with your name, affiliation and contact details, as well as which day(s) you wish to attend by the **25<sup>th</sup> September 2015**.

### Agenda: Monday November 16, 2015

**Audience:** “first time” trainers or those with no formal teaching on how to train

**Aim:** Provide practical tips and guidance for delivery and development of bioinformatics training solutions.

9:00-17:00	<b>Best practices in Bioinformatics Training Workshop – Day 1</b>	Audience: “first time” trainers or those with no formal teaching on how to train
University of Cape Town Medical School, Duma Baqwa room, Barnard Fuller Building		
9:00-10:30	<ul style="list-style-type: none"> <li>How do people learn?</li> <li>Different learning styles</li> </ul>	Gabriella Rustici, Sarah Morgan
10:30-11:00	<i>Coffee Break</i>	
11:00-12:30	<ul style="list-style-type: none"> <li>Learning methods</li> <li>Defining aims, learning objectives and outcomes of teaching sessions</li> </ul>	Gabriella Rustici, Sarah Morgan
12:30-13:30	<i>Lunch Break</i>	Mac Club
13:30-15:30	<ul style="list-style-type: none"> <li>How do you put together a new teaching session?</li> <li>Challenges in training; focus on how to tackle participants expectations: selection criteria and learning objectives</li> <li>Course format - how is this linked to participants expectations/background? What is different between an introductory and an intermediate course and how content should be influenced by participants background</li> </ul>	Gabriella Rustici, Sarah Morgan
15:30-16:00	<i>Coffee Break</i>	
16:00-17:30	<ul style="list-style-type: none"> <li>Course materials and reusability - what should we consider when developing new</li> </ul>	Gabriella Rustici, Sarah Morgan

	<p>course's materials? What is already available? TESS, Github, EBI/Train online, GOBLET</p> <ul style="list-style-type: none"> <li>• How to survey/evaluate courses short vs long-term impact.</li> </ul>	
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## Agenda: Tuesday November 17, 2015

### Audience: All trainers

**Aim:** Discuss ongoing training community efforts for training sustainability, curriculum development and core competencies, and trainer recognition.

9:00-12:30	<b>Best practices in Bioinformatics Training, Curriculum &amp; Core competencies Workshop – Day 2</b>	<b>Audience: All trainers</b>
	<i>Breakfast at Hotel</i>	
University of Cape Town Medical School, Duma Baqwa room, Barnard Fuller Building		
9:00-10:30	<ul style="list-style-type: none"> <li>• What is important to you as a community of trainers? What issues are you facing?</li> <li>• Training sustainability - feedback on Train-the-Trainer program</li> </ul>	Gabriella Rustici, Sarah Morgan
10:30-11:00	<i>Coffee Break</i>	
11:00-12:30	<ul style="list-style-type: none"> <li>• Course materials and reusability - How should these be annotated to ensure reusability? How do we share not just materials but also software and data?</li> </ul>	Gabriella Rustici, Sarah Morgan
12:30-13:30	<i>Lunch Break</i>	
13:30-15:30	<ul style="list-style-type: none"> <li>• Curriculum and core competencies for specific users and degrees/professional development courses –what kind of people are we training and what do we need them to know in bioinformatics.</li> <li>• Other related training –data scientists?</li> </ul>	Cath Brooksbank
15:30-16:00	<i>Coffee Break</i>	
16:00-17:30	<ul style="list-style-type: none"> <li>• Trainer recognition discussion</li> </ul>	Pedro Fernandes
18:30	<i>Dinner</i>	

### Trainers:

- Gabriella Rustici: University of Cambridge, UK
- Sarah Morgan: European Bioinformatics Institute, UK
- Cath Brooksbank: European Bioinformatics Institute, UK
- Pedro Fernandes: Instituto Gulbenkian de Ciência Portugal