



## Become a Biotechnology Ambassador!

### PROGRAMME BACKGROUND

The World Biotech Tour (WBT) is a multi-year initiative that will bring biotechnology to life at select science centres and museums worldwide. The programme, supported by the Association of Science-Technology Centres (ASTC) and Biogen Foundation, is scheduled to run from 2015-2017. The WBT ambassador program enlists students to give presentations about dynamic biotechnology topics in their schools and communities to inspire others to get involved. As ambassadors interact with other international students through ASTC-hosted online exchanges. The program has allowed youths a unique view into STEM careers and valuable access to scientists and industry leaders from around the world. See updates from the ambassadors on [Facebook](#) and [Twitter](#) @biotechtour

**This programme is open to *all* interested learners in Grades 9-12.**

### How you can apply to be part of this ambassador programme?

#### 1 Research phase

Use a biotechnology INVESTIGATION you have conducted within the past year OR write 3-5 page RESEARCH essay on an ASPECT of one of the topics listed below. In both cases all references must be included. (If you would like this work to be checked please contact the CTSC who will connect you with a mentor).

#### 2 Presentation phase

PRESENT your investigation/research essay in a FAMELAB format at the CTSC on 10 and 11 June 2017

### 2017 BIOTECHNOLOGY PROJECT

#### Decide our field of research:

##### Topic Ideas

- Biotechnology in Genetics
- Microbiome
- Biotechnology in Medicine
- Biotechnology in Agriculture
- Biotechnology in Industry
- Biotechnology in Food
- Biotechnology in Environment
- Other

Topics need to be well Research and demonstrated.

### **What is FAMELAB?**

“You will have three minutes to present your biotechnology project to a panel of judges. Make it funny, make it dramatic, and make it jaw-dropping, eye-opening, lightbulb-poppingly brilliant. It’s entirely up to how creative you’re feeling. The judges are looking for somebody who can shine in content, clarity and charisma (in other words it has to be scientifically accurate, clear to understand and presented with a wink and a smile).”

▶ **Other rules that you might need to know about are:**

- ▶ you may NOT use PowerPoint
- ▶ PROPS are limited to what you can carry on stage (there is no time for set up)

Remember the THREE C’s

### **Content**

The content of the presentations must be scientifically accurate. If the topic chosen has controversy or uncertainty around it, then the presentation must acknowledge the opposing views. The scientific topic presented should be well chosen to suit the audience.

### **Clarity**

Clarity is critical for effective science communication. The structure of the presentation must enable the audience and judges to easily follow the talk and they should be left with a full understanding of the scientific concept chosen.

### **Charisma**

The audience and judges should be left inspired and enthused about science. The winner will be a charismatic presenter who makes the science easy to listen to, entertaining, exciting and who is not only able to communicate the science but who can share their passion for it.

Find out more at <https://www.britishcouncil.org.za/famelab/prepare-heats/tips> and attend a workshop at the CTSC on....

### KEY DATES

- Registration forms due by **26 May 2017**.
- Research days at the CTSC –**date TBC**
- Presentations:
  - ⇒ **10-11 June 2017** – Cape Town Science Centre
  - ⇒ **09-11 June 2017** – Sci Bono, Johannesburg
  - ⇒ **10-11 June 2017** – Sci- Enza, Pretoria
  - ⇒ **10-11 June 2017** – UniZulu, Durban
- Top Leaners will be sent to the Finals presentations in JHB - **date TBC**
- In Johannesburg an Ambassador will be chosen to represent the South Africa at the World Biotech Tour. – **Nov 2017**



**World Biotech Tour**

Powered by **BIOGEN FOUNDATION & ASTC**

**CTSC**



CapeTownScienceCentre

**WBT: CAPE TOWN REGISTRATION FORM**

**PERSONAL INFORMATION**

Name and Surname: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Number: \_\_\_\_\_

**SCHOOL INFORMATION**

School Name: \_\_\_\_\_

School Address: \_\_\_\_\_

School Telephone: \_\_\_\_\_

School Fax: \_\_\_\_\_

Does your school have access to the internet? YES NO

**SUPERVISING TEACHER(S)**

Name(s): \_\_\_\_\_

Subject(s) You Teach: \_\_\_\_\_

Cell Phone Number(s): \_\_\_\_\_

Email(s): \_\_\_\_\_

**FIELD OF RESEARCH**

Topic:

Title:

**PLEASE RETURN COMPLETED FORM BY NO LATER THAN 26 MAY 2017. EMAIL TO [nadine@ctsc.org.za](mailto:nadine@ctsc.org.za). "Subject line: WBT entry form"**