Bernard Smit September 2018

**Curriculum vitae**

Contact details: Cell nr: +27 71 331 2652 or email: smit.bernard.a@gmail.com

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1. **Personal details:**

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| Name: | Mr. Bernard Adriaan Smit |
| Student number: | 16039794 |
| Date of birth: | 21 January 1997 |
| Age (on 26 November 2018): | 21 years |
| Marital status: | Single |
| Citizenship: | South African |
| Identity number: | 970121 5074 083 |
| Language proficiency: | Fluent in English and Afrikaans |

2. **Contact details:**

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|---|---|
| Physical and postal address: | 662 Turf Street, Wingate Park, Pretoria |
| Contact number: | 071 331 2652 |
| Email address: | smit.bernard.a@gmail.com |

3. **Academic qualifications:**

   Secondary school attended: Hoërskool Waterkloof

4. **Matriculation year and results:** Matriculation in 2015, please see Annexure B for results.

5. **Current studies, University degree(s), diploma(s), courses and results:** Currently third year Bachelor of Science (Microbiology) student at the University of Pretoria (UP). Please see Annexure B for results.

6. **Extra-curricular activities at school and university / positions held and achievements (please see Annexure C):**

   Category winner of Microbiology and Biochemistry and a gold medal at the Eskom Expo International Science fair in 2014 in Boksburg, South Africa.

   Second Place Award in Microbiology and special prizes from the American Society for Microbiology and the Chinese Department of Science and Technology at the Intel International Science and Engineering Fair (Intel ISEF) in Pittsburgh, USA during 2015. The

second place award includes that minor planet 31936, discovered by the LINEAR program of the Massachusetts Institute of Technology, are named after Bernard Smit.

Participation in the International FIRST Lego League (FLL) robotics competition in Florida, USA during 2012. Inspiration Award won at the World Invitational FLL robotics competition, Saint Louis, USA during 2013.

World Robot Olympiad (WRO) participation in Indonesia 2013 after a gold medal was won at the National WRO.

Silver medal won at the International Genetically Engineered Machines competition (iGEM) during 2016.

Played trombone in his high school`s concert orchestra from 2011 - 2014, which won the National South African Orchestra Competition every year, and played in the school`s ensemble during 2015.

Played trombone in the University of Pretoria Symphony Orchestra (2016) and Wind Band (2017).

**7. Social and Community Service:**

Coached a FIRST Lego League robotics team up to national competition level in 2014.

Judged at the FIRST Tech Challenge robotics competition in 2018.

Helped at the Eskom Expo for Young Scientists from 2015 to 2017.

**8. Additional information (please see Annexure C):**

Publication: (Editor`s Choice) Smit, B.A., Van Zyl, E., Joubert, J.J., Meyer, W., Prévéral, S., Lefèvre, C.T. and Venter, S.N. (2018) Magnetotactic bacteria used to generate electricity based on Faraday`s law of electromagnetic induction. *Let Appl Microbio* (**66**) 5, 362-367.

Research performed at the Centre of Alternative and Atomic Energy (CEA), Aix-en-Provence, France upon invitation by Dr Christopher Lefèvre during 2016.

Research presented at the Stockholm International Youth Science Seminar (SIYSS) at Nobel Week in Sweden during 2016.

Forest Molecular Genetics (FMG) mentee at the University of Pretoria since 2017.

Attended the Solar Energy and Photovoltaics Spring Course hosted by the University of Pretoria Physics Department in 2017.

Invited to carry out research at the CEA, Saclay, France as part of UP`s Biophysics research during 2018.