

Biotechnologies Engineer

STANAJIC PETROVIC Goran



Driving License



Profile

Soon-to-be graduated engineer passionate about science in general, genetics and cellular biology in particular, willing to enter a PhD position in those fields.

Education

Sept. 2017- Sep. 2021	AgroParisTech, Paris, France Leading Agronomic Engineering School
Sept. 2015-June 2017	Biology, Chemistry, Maths and Physics Intensive Study Programme, Janson de Saily, Paris, France Preparation for entrance exams to France's top level engineering schools.
June 2015	André Malraux Highschool, France Scientific Baccalaureate, High Honours

Work Experience

March 2021-Aug. 2021 INRAE/Sanofi collaborative project, INRAE, Jouy-en-Josas, France

Contributed to a research project on the optimisation of *Yarrowia lipolytica* protein expression and excretion. Construction and development of a new chassis strain for the efficient secretion of proteins of interest at industrial levels. Routinely performed Cas9 gene disruption and integration, new metabolic pathways construction through golden gate, and culture conditions optimisations. Proteomic data acquisition and analysis.

Competences: team work, autonomous research, Cas9 development and utilisation, development and optimisation of protocols

June 2019-Dec. 2019 Toulouse Cancer Research Center (CRCT), Toulouse, France

Contributed to a research project on the cellular status and the translational target of the hnRNPU protein in acute myeloid leukaemia model cells.

New subject with very little articles on it.

Regular exchanges with the research team, new techniques identification in order to tackle the encountered obstacles, protein effects were partly demonstrated (work still under progress)

Competences: pluridisciplinary approach, team work, results under pressure, data analysis, primer and gene design.

Oct. 2016-April 2017 Bioluminescence properties of *Vibrio fischeri*

Research project on the bioluminescent properties of *Vibrio fischeri* entered on the quorum sensing phenomenon using quantitative and qualitative light analysis. Liquid and solid cultures were performed as well as strand isolation from live material.

Competences: Liquid and solid state cultures, quantitative and qualitative spectral analysis, bacterial strand identification and isolation

Biology, geology and English private teacher since 2015 to both adults and highschool/graduate students

Skills

Languages : **Fluent in English (C1 level)/** German conversational skills/French native speaker

Software and coding : Proficient in Office and Mac OS Suite, MatLab, Pyzo, Spyder, Anagène
Basic coding in Python and SQL

Hobbies : Traveling, singing, dancing, In Vitro orchid propagation