

# Klara Filek

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## Education

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→ <b>PhD in biology</b> University of Zagreb, Croatia - <a href="#">Public defense</a>   <a href="#">Thesis repository</a>	2018-2022
→ <b>MSc in biology</b> Uppsala University, Sweden	2016-2018
→ <b>Bachelor's degree in biology</b> University of Zagreb, Croatia	2011-2015

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## Experience

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<b>Postdoctoral researcher   Research Assistant</b> University of Zagreb, Croatia	2018-2023
→ Established <b>protocols for microbial isolation, cultivation &amp; characterization</b> from loggerhead sea turtles and subsequent <b>data collection</b> and <b>analysis</b> <ul style="list-style-type: none"><li>• <u>molecular techniques</u> (DNA isolation, purification, PCR, cloning), <u>microscopy</u>, <u>cell micromanipulation</u>, <u>multi-mode imaging</u></li></ul>	
→ <b>Analyzed &amp; visualized data</b> of NGS amplicon <b>sequencing</b> and <b>imaging</b> data <ul style="list-style-type: none"><li>• <i>NGS amplicon sequencing data analysis with <u>QIIME2</u> and <u>R</u> {tidyverse, ggplot2, vegan etc.}, imaging data extraction in <u>ImageJ</u>, worked with <u>Unix</u> systems and <u>CLI</u>, focused on <u>reproducibility</u> and <u>data accessibility</u></i></li></ul>	
→ Obtained <b>funding for research visits &amp; training</b> at collaborating institutions <ul style="list-style-type: none"><li>• <i>FEMS Research Training, Assemble Plus TA – 4 months at Ghent University, Belgium</i></li><li>• <i>Travel grants for two conferences</i></li></ul>	
→ <b>Communicated complex ideas &amp; mentored</b> master students <ul style="list-style-type: none"><li>• <i>Published two 1<sup>st</sup> author publications, four as a co-author</i>   <a href="#">Google Scholar</a></li><li>• <i>Presented eight poster presentations &amp; gave two lectures at international conferences</i>   <a href="#">Research Gate</a> <i>Won two poster awards</i> (1<sup>st</sup> and 2<sup>nd</sup> place)</li><li>• <i>Organized workshops, created content for <a href="#">the Microbiologist</a>, Day&amp;Night at the Faculty of Science, European Researcher's Night, <a href="#">Int. Day of Microorganisms</a>, and Sci Festival</i></li><li>• <i>Won two scientific <u>image/photo</u> awards (NCCR microbiomes/Croatian Scientific Foundation)</i></li></ul>	
<b>Master student researcher</b>   Uppsala University, Sweden	2017-2018
→ Performed <b>molecular cloning and competition experiments</b> with <i>E. coli</i> EC93 bacterium	
<b>Team lead</b>   Biology Students Association, Croatia	2014-2015
→ <b>Microbiology Section</b> team leader <ul style="list-style-type: none"><li>• <i>Organized section meetings and fieldwork research</i></li></ul>	

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I am a **team player** and enjoy **collaborative problem-solving** but am also **self-directed and independent** while consistently **delivering results on time**.

**Continuous improvement** is important to me, and I often participate in **workshops and courses** such as: *Intro to R syntax, programming in Python, 'omics for microbial community studies, dataviz with Python and ggplot2, Unix and shell scripting, Leadership training* etc. – or **competitions** such as the [EU TalentOn](#) where my team won a 2<sup>nd</sup> prize in the “Restore our Oceans and Waters” Mission Arena (by EU Commission in Leiden, Netherlands).

## References

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**Supervisor/Advisor:** Assoc. Prof. [Sunčica Bosak](#), PhD – [suncica.bosak@biol.pmf.hr](mailto:suncica.bosak@biol.pmf.hr)  
prof. [Wim Vyverman](#), PhD – [wim.vyverman@ugent.be](mailto:wim.vyverman@ugent.be)