

<b>Posudek na bakalářskou práci</b>	
<input type="checkbox"/> školitelský posudek <input checked="" type="checkbox"/> oponentský posudek	<b>Jméno posuzovatele: Ivan Cherepashuk</b>  <b>Datum: 10.05.2024</b>
<b>Autor: Anna Maďarová</b>	
<b>Název práce: Novel therapeutic targeting of the quorum sensing transcriptional regulation in multi-antibiotic resistant bacterium <i>Staphylococcus aureus</i></b>	
<input checked="" type="checkbox"/> Práce je literární rešerší ve smyslu zveřejněných požadavků (pravidel). <input type="checkbox"/> Práce obsahuje navíc i vlastní výsledky.	
<b>Cíle práce (předmět rešerše, pracovní hypotéza...)</b>	
<p>The work aims at researching and presenting transcriptional regulators (TR) of drug-resistant <i>Staphylococcus aureus</i> as potential targets for novel antibiotic agents. Specifically, since <i>Staph. aureus</i> indeed uses transcriptional regulation to modulate its pathogenicity and biofilm formation, it is important to elucidate which exact TRs are employed in the above-mentioned processes, and understand how to potentially target them.</p>	
<b>Struktura (členění) práce:</b>	
<p>The thesis is well-structured, and student is telling a coherent story by sequentially presenting reader with new information, upon which the further narrative is built.</p>	
<b>Jsou použité literární zdroje dostatečné a jsou v práci správně citovány? Použil(a) autor(ka) v rešerši relevantní údaje z literárních zdrojů?</b>	
<p>Literature sources are excellently cited and referred to. It is obvious that the student has read through the papers in question. Student is able to critically evaluate the information and support their statements with data. Though some claims were occasionally far-fetched with regards to the references used, the student has shown an overall outstanding ability of working with academic literature.</p>	
<b>Pokud práce obsahuje (nadstandardně) i vlastní výsledky, jsou tyto výsledky adekvátním způsobem získány, zhodnoceny a diskutovány?</b>	
N/A	
<b>Formální úroveň práce (obrazová dokumentace, grafika, text, jazyková úroveň):</b>	
<p>The student uses elaborate, intricate academic English throughout the text, and I was not able to find obvious mistakes in the work that would impede its understanding. Student has not only adequately adapted figures from existing literature, but also produced their own infographics based on researched papers, often exceeding the original work in the quality of graphics and readability.</p>	
<b>Splnění cílů práce a celkové hodnocení:</b>	
<p>The work in question clearly meets its own set goals. It describes transcriptional regulators employed by <i>Staph. aureus</i> well, exhaustively talks about existing</p>	

compounds that can impede TRs function, and paints a convincing picture of TRs being a promising target for novel therapeutic agents.

The text itself is written in a clear and concise manner, and is of high academic standard.

I thus strongly recommend this Bachelor thesis to be accepted and strongly hope for the continuation of this work.

Otázky a připomínky oponenta:

Albeit clearly outside of the scope of the presented work, I was missing a greater context of antibiotic resistance research, at least in passing. Therefore, I must humbly ask the following question:

- What are the main research areas in contemporary science aimed at resolving the issue of antibiotic resistance?

**Návrh hodnocení školitele nebo oponenta** (bude zveřejněn)

výborně  velmi dobře  dobře  nevyhověl(a)

Podpis školitele/opponenta: