TECHNISCHE UNIVERSITÄT DRESDEN

B CUBE - Center for Molecular Bioengineering

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Recommendation for Tetiana Ryzhkova

To whom it may concern

It is my great pleasure to write the recommendation letter for Ms. Tetiana Ryzhkova. Tetiana is a student of our biochemistry master course at Technische Universität Dresden. She has taken my lectures on "cellular signaling". She has shown good understanding of the topics, and gave good talks at the seminars. She has also received good grades in the written exams. As she has shown great interest in the research topic of drug screening and discovery in my group, she started her lab research in our lab, and will continue to do her master thesis under my supervision.

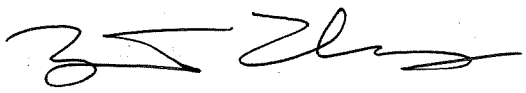
The ability of synthesizing different biomolecules and interrogating their interactions with proteins and cells represents an essential tool for biochemical researches. This approach has been largely limited by our capability of high throughput synthesis, rather than high through screening. Our group has recently developed an array-based technology for combinatorial library synthesis and screening. Tetiana, under the guidance of Dr. Stafan Goerlich, has applied this tech-

nology to study a very unique cellular system, diatoms. Different from other cells, the unicellular algae have defined shapes. This exciting feature has allowed Tetiana and Stefan to study the interactions of biomolecules with cells with a topological perspective.

Through this project, she has obtained or will obtain comprehensive knowledge and skills on many aspects of drug screening and discovery, including chemoinformatics for library design, protein-based and cell-based screening technology, organic syntheses of cyclic compounds, as well as biophysical assays to measure binding affinity. She has already shown great creativity and problem-solving capability, as this is our first attempt to use the array technology to run a full screening project against cells.

Tetiana is a very friendly person, and very easy to communicate with. My coworkers, our collaborators, and I have all enjoyed to work with her. She is a devoted scientist, being very focused at work. Therefore, I support the application of Ms. Tetiana Ryzhkova without any reservation. If you have any question, please do not hesitate to contact me.

Sincerely yours



Yixin Zhang