

Prospective supervisor's form

Name of the supervisor: Sławomir Milewski

Academic title: Professor

Orcid ID number: <https://orcid.org/0000-0003-2616-4495>

Gdańsk University of Technology Faculty of Chemistry

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Discipline: chemical sciences [NCh] none

Optional

Key words (obligatory four key words describing research interests / expertise):

antifungal agents

molecular enzymology

drug delivery

rational drug design

Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 130/108

2. Citations excluding self-citations WoS 1604 Scopus 1762

3. Hirsch index WoS 24 Scopus 25

1. The number of PhD students who have graduated under your supervision: 17

2. The number of PhD students currently supervised:

a. within the current doctoral school 1

b. within doctoral studies (previous system) 1

3. Are you currently accepting new PhD students:

a. Polish Yes/No Yes

b. Foreign Yes/No Yes

Prospective supervisor's form

Research interests or topics offered for PhD research (no more than 2000 characters)ⁱⁱ

1. Molecular nanocarrier: enzyme inhibitor conjugates as antimicrobial agents.
Rational design and determination of biological properties of conjugates of inhibitors of microbial intracellular enzymes with molecular nanocarriers, including cell-penetrating peptides, "molecular umbrellas" and lipidic molecules.

Funding or special equipment needed to carry out a PhD project ⁱⁱⁱ:

1. Is funding available for experimental work: *Yes/No/not needed*

2. Is the equipment needed to complete a PhD project
available in your lab/department: *Yes/No/not needed*

Most important publications – no more than 5 published after 1.01.2018

No	Authors/title/journal	Number of points according to the current list of the Ministry of Science and Higher Education	Publication year
1.	Skwarecki A. S., Skarbek K., Martynow D., Serocki M., Bylińska I., Milewska M. J., Milewski S., Molecular Umbrellas Modulate the Selective Toxicity of Polyene Macrolide Antifungals. <i>Bioconjugate Chemistry</i> , 29, 1454-1465	100	2018
2.	Szczeblewski P., Laskowski T., Bałka A., Borowski E., Milewski S., Light-Induced Transformation of the Aromatic Heptaene Antifungal Antibiotic Candicidin D into Its All-Trans Isomer. <i>Journal of Natural Products</i> , 81, 1540-1545	100	2018

Prospective supervisor's form

3.	Rząd K., Milewski S., Gabriel I., Versatility of putative aromatic aminotransferases from <i>Candida albicans</i> ., Fungal Genetics and Biology, 110, 26-37	100	2018
4.	Kertmen A., Przysiecka J., Coy E., Popenda Ł., Andruszkiewicz R., Jurga S., Milewski S., Emerging anticancer activity of candidal glucoseamine-6-phosphate synthase inhibitors upon nanoparticle-mediated delivery. Langmuir, 35, 5281 - 5293	100	2019
5.	Kiliszek A., Rypniewski W., Rząd K., Milewski S., Gabriel I., Crystal structures of aminotransferases Aro8 and Aro9 from <i>Candida albicans</i> and structural insights into their properties. Journal of Structural Biology, 205, 26 - 33	100	2019

Most recent externally funded projects you were involved in – no more than 3

No	Project title, the name of the Principal Investigator (PI) and the institution the project was carried out	Years	Role in the project ^{iv}
1.	Derivatives of aromatic polyene macrolides of improved selective toxicity; project in the OPUS programme; Sławomir Milewski, Gdańsk University of Technology	2017-2020	PI
2.	A novel strategy for construction of antifungal pro-drugs based on cell-penetrating peptides; project in the OPUS programme; Sławomir Milewski, Gdańsk University of Technology	2013-2016	PI
3.			PI

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Additional relevant information – (no more than 1600 characters)^v



ⁱ You may select up to two disciplines out of 12 disciplines represented in the Doctoral School

ⁱⁱ Observe the limit of not more than 2000 characters

ⁱⁱⁱ Leave only one answer

^{iv} Select the role in the project: PI stands for principal investigator (refers to the holder of an independent grant and the lead researcher for the grant project), Co-I for co-investigator (Co-I assists the principal investigator in the management and leadership of the research project), R for researcher

^v Add any other relevant information e.g. awards for PhD students whom you supervised (no more than 1600 characters)