



ÚOCHB AV
IOCB PRAGUE

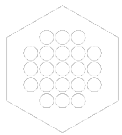
Meeting with Group Leaders

February 25, 2019

Zdenek Hostomský

Agenda

- Quantitative evaluation of research groups
- Upcoming tenders (Tamara Brixiová)
- CryoEM Technology
- PhD Interview Day (Kateřina Šolcová)
- Affiliation issues
- Upcoming events
- Miscellanea



The Quantitative Evaluation - rules



- Directive S2018-01:
- Only such outputs can be included in the evaluation which have been entered in the ASEP [Automated System for Publication Index] database
- A group's performance is numerically evaluated by means of the group performance index (GPI) based on the formula

$$\text{GPI} = J + B + C + D + P + T + S + L$$

J - articles published in a high-impact journal

B = specialised books

C = chapters of a book

The Quantitative Evaluation – deadline



D = article in a collection

P = patent granted

T = operation on a semi-industrial scale, attested technology

S = prototype, implemented methodology, functional sample, authorised software, utility and industrial design

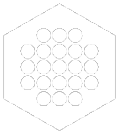
L = income from license fees and other income from the application of IP

- The ITS - Library (contact person: Jana Procházková) will provide the group leaders with a list of the allowable results as an abstract from the ASEP database
- Please forward the edited list to director's office by **March 15, 2019**

Upcoming tenders

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Tamara Brixiová



Technical specification of devices - tender proceedings

Problems of technical specification of devices

- determination of technical parameters of instrumentation is quite complex
- it is easy to forget or to specify in a vague manner some important parameter
- there is a risk of delivery of an instrument that can not be used for the desired purpose

Solution - specification of devices by purpose of their use

- OPTIONALLY (in relevant cases), we could add specification of devices also by purpose of their use (type of measurement, specification of activities, for which the device will be used)
- purpose of the device should be specified carefully, so as we do not publicly present any know how

Example of a concrete problem with technical specification

Plate Reader SPARK - SCHOELLER INSTRUMENTS - Petr Cígler group

- the parameter "nastavitelná šíře spektrálního pásu 5-50 nm" was omitted - we received the device with a lower configuration, can not do all types of measurements
- the problem arose based on the offer of SCHOELLER INSTRUMENTS - 2 pages - first page was more detailed (all configurations), second page was less concrete - unfortunately the second page was used for the tender
- the problem was not identified on the side of SCHOELLER INSTRUMENTS - we could prevent these errors by specification of purpose of use - specification of concrete type of measurements

Solution of problems with the suppliers

Pragolab - Hana Macíčková group

- IOCB asked Pragolab for contractual penalty of CZK 147,000 for delay with repairs of Nanodrop One Spectrophotometer
- the agreement with Pragolab was signed - CZK 80,000 will be paid in cash + the rest is compensated by extended guarantee of devices in 2 groups (Eva Kudová, Pavlína Řezáčová) for 6 months

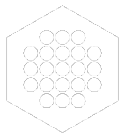
AMEDIS, Lach-Ner - Zlatko Janeba group

- problem with fittings (AMEDIS) and quality of solvents (methanol)
- additional costs for services of Flash chromes arose (cca CZK 220,000)
- AMEDIS offered 10 service visits (replacement of 20 fittings) free of charge
- negotiation with Lach-Ner is in process - they replaced methanol on stock (free of charge) + their offer is CZK 100,000 in cash + delivery of solvents in the value of cca CZK 100,000 (according to our wish free of charge)
- internal controls of quality of solvents (methanol) were initiated (Viktor Kolman)

CryoEM

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- Believed to be the next strategic direction for structural biology, in addition to x-ray crystallography and biomolecular NMR



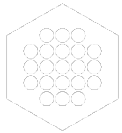
Current situation at IOCB:

- No plans to build a high end facility on site
- Negotiated deal with CEITEC who operate a state-of-the-art facility – TITAN Krios TEM (300 keV) - and a highly qualified team (J.Nováček), charging us 1/10 of the market prize.
- (Pavlína can comment on the quality of service.)

CryoEM – a BIOCEV offer

- Discussions with Cyril Bařinka, Bohdan Schneider, Aleř Benda
- Plan to submit OPVVV “big infrastructures” grant
 - PřF UK - 25 M
 - BTÚ AVČR - 60 M

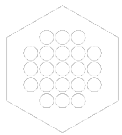
IOCB participation – 60 M



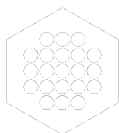
- Bioimaging center at BIOCEV would provide labspace and staff (Adam Schroefel + 2 FTEs for data analysis)
- System for CryoTM (cryo lamellas) from BIOCEV 30 M
- Particles plunge freezer from **IOCB** **1 M**
- One third time distribution among BIOCEV, IOCB and open access

CryoEM at BIOCEV timeline

- IOCB decision early March 2019
 - BIOCEV SB consortium OP VVV grant submission - May 2019
 - Arrival of Adam Schroefel fall 2019
 - Results of OP VVV grant Nov. 2019
 - Public tender early 2020
 - Ordering (6-8 months delivery time) mid 2020
 - Delivery, installation, finetuning 2021
 - Full operation early 2022
-
- Until then, a negotiated deal with CEITEC still applies



Kateřina Šolcová



Ph.D. INTERVIEW DAY @ IOCB - 2019

SHORTLISTING UNTIL
Monday March 4, 2019

SHORTLISTING

- Visit shared excel sheet with names of all PhD candidates
- <https://docs.google.com/spreadsheets/d/1-QK4tp2hyvRY6beosqB4mpTmncbrGm07EpYGx6lhxrl/edit#gid=0>
- Write your name by the candidate you would like to invite
- Do not hesitate to write your name even if someone else has already selected the PhD candidate for Interview Day

INTERVIEW DAY
Thursday March 14, 2019

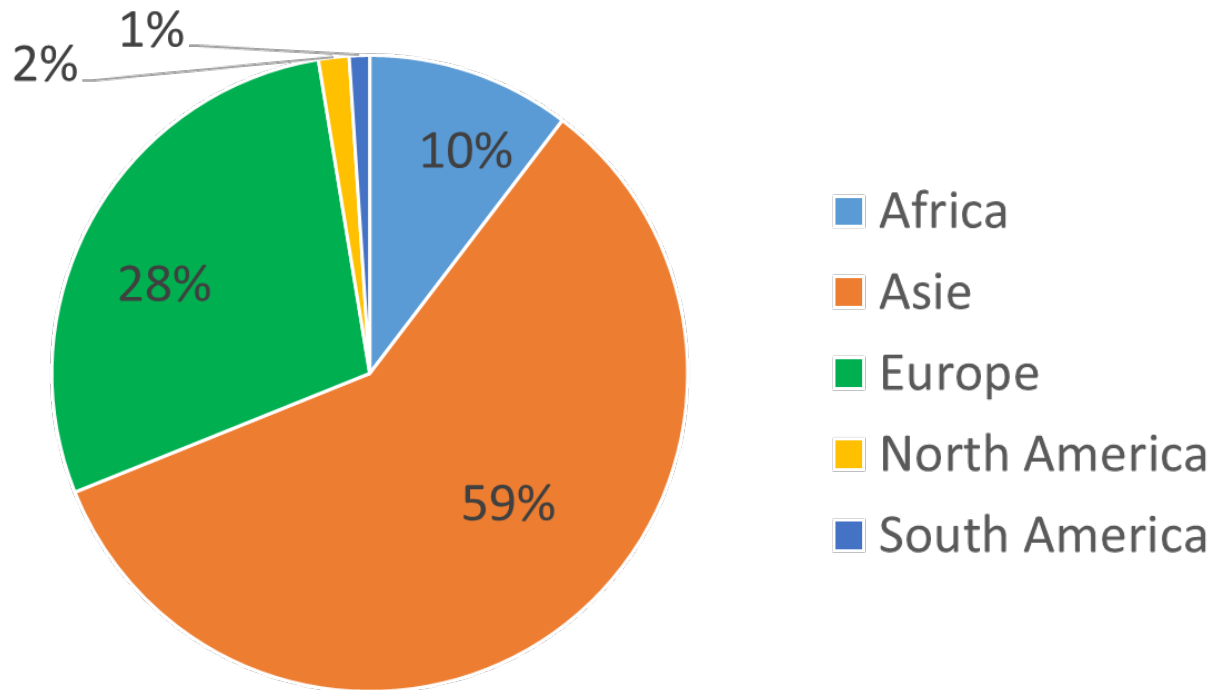
INTERVIEW DAY

- 1 day
- Ph.D. candidates present their thesis in front of the IOCB committees
- Face-to-face interview
- Party with Ph.D. candidates
- Skype interview a day before or after – depends on you when it is the best for you

CHAPERONES ARE NEEDED TO HELP PhD CANDIDATES DURING THE INTERVIEW DAY

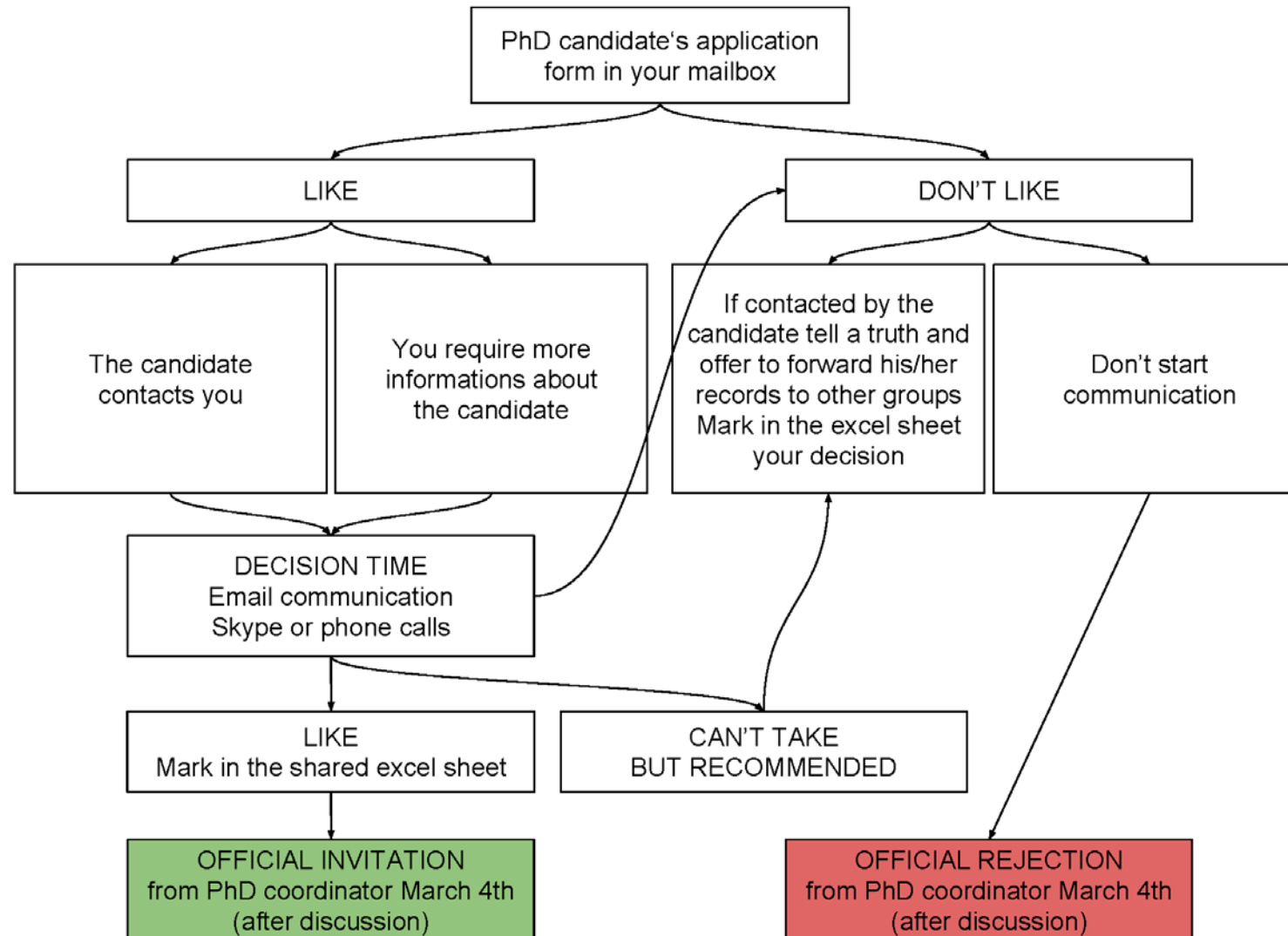
193 PhD CANDIDATES applied

PhD candidates vs. Continents



Continent	#	Continent	#
Africa	20	Europe	55
Cameroon	1	Albania	1
Egypt	8	Belarus	1
Ethiopia	2	Belgium	1
Kenya	1	Bosnia and Herzegovina	1
Mauritania	1	Croatia	3
Nigeria	6	Czech Rep.	12
Tunisia	1	France	2
Asie	113	Germany	2
Bangladesh	2	Greece	1
China	2	Italy	9
India	72	Latvia	1
Iran	7	Moldova	1
Iraq	1	Poland	1
Kazakhstan	2	Portugal	2
Lebanon	1	Romania	1
Malaysia	1	Serbia	3
Pakistan	10	Slovakia	5
Philippines	1	Spain	3
Republic of Korea	1	UK	3
Russia	2	Ukraine	2
Syria	1	North America	3
Taiwan	1	Canada	2
Thailand	2	USA	1
Turkey	4	South America	2
Uzbekistan	1	Colombia	1
Vietnam	2	Ecuador	1
		Summary	193

SHORTLISTING PhD CANDIDATES



PhD INTERVIEW DAY – COMMITTEE

IOCB PhD interviews, 14. 3. 2019

(only one form for each applicant)

----- Applicant's Name	Interviewer initials			
English language skills (A – advanced, B – medium, C – beginner)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
presentation quality (A – excellent, B – good, C – poor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
response to questions (A – excellent, B – good, C – poor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
knowledge base (A – excellent, B – good, C – poor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
communication with the committee (A – excellent, B – good, C – poor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
overall impression (A – excellent, B – good, C – poor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

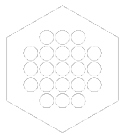
each interviewer picks one column

Any extra comments/observations:

----- Interviewer initials	----- ----- -----
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STANDARDIZED FORM

- **Objective evaluation** of candidates
- **More information** about the candidate's language, presentation and discussion skills
- Higher chance to **find “the best” match** (even from the candidates who did not apply for your lab)
- Higher chance **not to loose top** candidates
- **Quality database** for re-selection



Miscellanea

English pronunciation – Intensive personalized instruction ¹⁸

Classes on site at IOCB (A 4.32)

Free to IOCB group leaders and senior scientists

Individual one-on-one
20 minute sessions

Tuesday afternoons 4-6 pm
Thursday mornings 8-10 am

Please sign up with the director's office
(uochb@uochb.cas.cz)

A professional tutor, coming to IOCB:

James J. Tufano, PhD, CSCS*D

Assistant Professor - Strength and Conditioning

Charles University, Faculty of Physical Education and Sport

Department of Physiology and Biochemistry

José Martího 31, room 324a

Prague, Czech Republic, 16252

Affiliation issues

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PhD study programs

Updated agreement between Charles University and the Czech Academy of Sciences – the addition requires dual affiliation on publications, based on the law of authorship (if the paper is designated as school work – školní dílo)

Especially Faculty of Mathematics and Physics and Faculty of Sciences insist on dual affiliation when their students work on their theses at CAS institutes.

Conflict between the authorship law and 130 law of scientific research

Upcoming events

- Science meets Administration Panel – Feb. 27, 2019
(Bouřa, Hocek, Jungwirth, Macíčková, Vondrášek
vs. Gazda, Petschová, Pokorná, Křivánek, Hronová)
- ILS March 8 – Annemieke Madder, U Ghent, a new IAB member
- PhD Interview Day – March 14, 2019
- Via Carolina meeting Erlangen-Nürnberg and IOCB Prague –
June 6-7, 2019 (Ulli Jahn)

1st Via Carolina meeting

June 21-22, 2018 at IOCB Prague

Aimed at initiating collaboration between

Dept. of Chemistry and Pharmacy,
Friedrich-Alexander University Erlangen-Nürnberg
&
IOCB Prague

FAU Profile:

- Organic Chemistry (Tsogoeva)
- Medicinal Chemistry (Gmeiner, Eichler, Heinrich)
- Materials-oriented Chemistry (Hirsch)
- Theoretical Chemistry Center
- Organometallic Chemistry (Harder)
- Food Chemistry (Pischetsrieder)

2nd Via Carolina meeting

June 6-8, 2019 at FAU Erlangen-Nürnberg

Aimed at strengthening collaboration between

Dept. of Chemistry and Pharmacy,
Friedrich-Alexander University Erlangen-Nürnberg
&
IOCB Prague

Proposal: ca. 20 PhD students/postdocs + director/group leaders

10 representative short talks by young scientists

Initiate collaboration in the Czech-Bavarian framework

Mtgs w GLs - 2019 Schedule



- January 14
- February 25
- March 18
- April 15
- May 13
- June 17
- September 9
- October 14
- November 11
- December 16

Always on Mondays at 10:00 am in the Director's Boardroom A4.01