ANNUAL REPORT 2014

RESEARCH COMMISSION EPFL SNSF
THE YEAR IN REVIEW

Message of the chair:

The work of research commission of EPFL, in 2014 as during previous years, relies very heavily on the work of our administrative team, whom I would like to thank here. They are solving all the difficulties for us and for the research commission, they are also organizing all the meetings therefore allowing us to concentrate on the scientific aspects of the problems, all administrative aspects being out of the way.

The work of the research commission also relies on the dedication of its members and I would like here to thank them very much. Even if the quality of the files that we have the honor and the pleasure to study and evaluate is constantly improving, the preparation of the different meetings of the research commission is highly demanding. As a typical example, each of the members of the EPFL PhD prize committee has to read between 8 and 10 PhD manuscripts for the two main sessions of the committee. Once again, the quality of our work heavily depends on their dedication.

In 2014 as has become now rather usual for us, we have again witnessed the quality of the research performed at EPFL. This quality can be assessed first by the progression of EPFL in the different rankings, such as the Leiden ranking or any other one like the simple number of ERC grants at EPFL.

It is important to stress that his quality cannot be only evidenced by the usual indicators that are often produced, but that we feel the constant improvement of the quality in the reading of the different files that are evaluated by the research commission. This is the case for the files submitted to the different prizes awarded by the research commission, the same is true for the postdoctoral SNF fellowships, as well as for the Cofund EPFL fellow program...

To conclude, I would like to congratulate all members of the EPFL community for the improving quality of their work, the members of the research commission for their dedication and the team of the Research Office for the outstanding quality of their support.

Prof. Benoît Deveaud
3. TASKS OF THE RESEARCH COMMISSION
4. PRESENTATION OF THE RESEARCH COMMISSION
5. ADVANCED POSTDOC. MOBILITY
7. EARLY POSTDOC. MOBILITY
9. SCIENTIFIC EXCHANGE PROGRAMME (SCIEX)
11. COFUND PROJECT: EPFL FELLOWS
17. AWARDS
26. MEMBERS OF THE RESEARCH COMMISSION
28. APPENDIX
[ANNUAL REPORT 2014]

Presentation of the Research Commission

TASKS OF THE RESEARCH COMMISSION TOWARDS THE SNSF

- Reviewing applications for Advanced Postdoc.Mobility fellowships
- Reviewing and granting for Doc.Mobility and Early Postdoc.Mobility fellowships
- Reviewing and selecting Doc.CH applications for the second phase of the evaluation

TASKS OF THE RESEARCH COMMISSION TOWARDS THE EPFL

- Promotion of Research at EPFL
- Reflection on the strategy and rules of EPFL, inputs for the Direction
- Reviewing research proposals submitted to the SNF or to similar granting institutions, upon request from the Délégué à la recherche
- Reviewing equipment requests submitted to the EPFL, upon request from the Délégué à la recherche
- Selection of the Cofund projects: EPFL-fellows.
- Selection of the Symposium Latsis
- Selection of the awardees of the following research prizes:
  - Prix de la Fondation Latsis Internationale
  - EPFL doctorate awards
  - Professor René Wasserman award
  - Dupont des Matériaux award
  - Fondation Dimitris N. Chorafas awards
  - ABB award
  - ZKS award
- Participation in the organization of the “Journée Magistrale” and “Research Day” – Research Award Distributions
- Organization of the external review of the NCCBI and ranking of the proposals.
- Coordination of the proposals for international research awards
- T1 scoring of the SCIEX applications.
PRESENTATION OF THE RESEARCH COMMISSION

STRUCTURE OF THE RESEARCH COMMISSION

The Research Commission is composed by fourteen members that are professors coming from all the faculties of the EPFL. Then the Commission is helped into three panels composed by 7 members each. The Research Commission is lead by the Dean of Research, and each panel has a Chair and a Vice-Chair.

The panels meet three times per year to evaluate the proposals received, and the Research Commission meets about 8 times per year in order to take the final decisions.

During year 2014, the Research Commission evaluated approximatively 85 proposals for the Doc.Mobility and Early Postdoc.Mobility SNSF programme and gave a recommendation for about 25 proposals for the Advanced.Mobility Programme. The Research Commission also evaluates about 8 calls for applications (Prizes and Awards).
Advanced Postdoc.Mobility fellowships are designed for postdocs who wish to enhance their scientific profile by working at a research institution abroad. In addition to the fellowship, applicants can request a grant for a research period upon returning to Switzerland.

The fellowships include a grant for subsistence costs, a flat-rate for travel expenses and a possible contribution to research, conference costs and matriculation fees. The return grant includes a salary and social security contributions. The funding period is 12 to 36 months (fellowship) and 3 to 12 months (return phase).

The Advanced Postdoc.Mobility fellowships enable young scientists planning to follow an academic career to benefit from a stay abroad in order to increase their knowledge and scientific reputation.

(Source: http://www.snf.ch/en/funding/careers/advanced-postdoc-mobility/Pages/default.aspx)
APPLICATIONS

In 2014, the CR has reviewed 26 applications (29 applications - in 2013); 13 of them have been granted by the SNSF.

Figure 1: Shows the number of applications and the success rate of the last ten years for this fellowship program. As can be seen, the number of applications increases and the success rate therefore decreases.

![Advanced.Mobility Fellowships Success Rate](image)
EARLY POSTDOC.MOBILITY

AIM

Early Postdoc.Mobility fellowships are designed for postdocs at the beginning of their career who wish to enhance their scientific profile by working at a research institution abroad.

The fellowships include a grant towards living costs, a flat-rate for travel expenses and, if justified, a contribution towards research and conference costs as well as matriculation fees. In principle, these fellowships are awarded for 18 months, in justified cases for at least 12 months.

(Source: http://www.snf.ch/en/funding/careers/early-postdoc-mobility/Pages/default.aspx)
APPLICATIONS

In 2014, the CR has reviewed 88 applications (71 in 2013) for the Early Postdoc.Mobility and Doc.Mobility together; 49 (40 in 2013) fellowships have been approved. Figure 2: shows the number of applications and the success rate of the last ten years for this fellowship program.

Figure 2 Evolution of applications number for EarlyPostdoc.Mobility and Doc.Mobility fellowships and success rates, 2003 - 2014
AIR

The Sciex-NMSch Program aims to foster the scientific capacities in 10 EU New Member States (NMS) in funding research training placements in Switzerland of PhD candidates and Postdocs researchers. The CR filed 17 applications for the 10th call (the last call), and performed the evaluation (T1-scoring) as requested by the Sciex office.

OUTCOME

Accepted proposals 10th call:

Check Republic

No projects accepted

Hungary

1. Magrez Arnaud: ANANAS - Alkaline Niobate Nanowires - synthesis for optical applications and energy conversion

Latvia

No projects accepted

Lithuania

2. Gijs Martinus: MicroBead-Development of microfluidic system for improved detection of biochemical reactions


4. Hanahan Douglas: ImmunadaptMEI - The role of the immune tumor microenvironment in adaptation to MAPK inhibition in malignant melanoma

5. Grandjean Nicolas: OPTOHETERO - Optoelectronics based III-nitride heterostructures

6. Mohammad Khaja Nazeeruddin: MEHTM - Molecular Engineering of Hole Transporting Materials for Perovskite Solar Cells"
Slovakia

No projects accepted

Slovenia

7. Röthlisberger Ursula: MAOMECH - Multiscale Modeling of Monoamine Oxidase Mechanism
8. Ijspeert Auke: LEOPaRd, LEarning mOtor Primitives for a compliant humanoid Robot

Waiting list 10th call:

Hungary

Pulgarin César: (WW-AOP) - Wastewater treatment by Advanced Oxidation Processes: emerging contaminants degradation and microorganism removal by UVC/H2O2 and photo-Fenton processes

Update on the Waiting list 9th call

Majed Chergui: SPIC: Spin dynamics of metal complexes: ACCEPTED

FOR FURTHER INFORMATION PLEASE VISIT

HTTP://WWW.SWISSUNIVERSITIES.CH/EN/WELCOME/
COFUND PROJECT: EPFL-FELLOWS

AIM

The second call for the ‘EPFL Fellows’ postdoctoral fellowship programme was launched on 1 July 2014. The aim of this fellowship programme is to attract experienced researchers of any nationality to the EPFL, to provide them with state-of-the-art conditions for research, to develop their leadership potential and to position them for success as future research leaders through an intensive training.

The EPFL Fellows programme runs under the European Marie Curie Action COFUND, part of the 7th Framework Program. The fellowships may be requested in any scientific discipline within the EPFL and run for a period of 24 months. Applications have to be made jointly with the host Professor at EPFL. EPFL Fellows will conduct their own research within the framework of the proposed project. Twelve fellowships were co-funded in the second call.

The deadline for the submission of applications for the second call was 1 October 2014. The results of the call are described below.
UPDATE ON EPFL FELLOWS FIRST CALL RESULTS ON THE SECOND CALL

All Fellows who were selected in the first call had started their fellowship in the period February – August 2014. A web-site was created with information on the Fellows and their projects (see: http://research-office.epfl.ch/funding/internal-non-profit/epfl-fellows-marie-curie/granted-fellowships-2013).

On 10 September 2014 a ‘Welcome Event’ was organized to welcome the selected Fellows of the first call officially to EPFL. During this event, the Fellows presented their projects, followed by a lunch and poster session. A poster prize was awarded for the best poster.
With regard to the 2nd call, a total number of 81 applications were submitted by the deadline of 1 October 2014. After the eligibility check and the plagiarism check, a total number of 78 applications were submitted for evaluation. Each research proposal was assigned to three evaluators. The international evaluation panel included 78 experts (vs. 61 last year). These evaluators reviewed and scored the applications using the following criteria: applicant qualifications, research project, research environment, and career development. Last year there were not sufficient number of evaluators in certain research domains and for this call the evaluation panel was strengthened. New evaluators were added to the panel in the following areas: Civil Engineering, Chemistry, Material Science and Engineering, Mechanical Engineering, Micro Engineering, Computer Science and Global Health.

Most of the applications submitted in the second call covered the research areas of the Faculty of Engineering/STI (25), followed by the other Faculties: Basic Sciences/SB (21), Life Sciences/SV (16), Architecture, Civil and Environmental Engineering/ENAC (13), Computer and Communication Sciences/IC (2) and the College of Management of Technology/CDM (1). (See also graph below.)

With regard to the gender distribution, a total of 19 female candidates had applied for EPFL Fellows (out of 78 eligible applications in total), representing 24% of the applications (compared to 27% last year).
The selection process was again very competitive in the second call and the quality of the submitted proposals was high. Based on the results of the international review process, the EPFL Research Commission selected 25 candidates for the shortlist during its meeting of 6 January 2015. Two candidates withdrew their application so 23 shortlisted candidates were interviewed by the Research Commission interview panels on 19, 20 and 21 January 2015. On 26 January 2015 the Research Commission made the final decision and selected the 12 successful candidates.

The total amount granted for the second call is CHF 1,164,000 (CHF 48,500 per Fellow x 24 months).

The table below shows the total number of applications, short-listed candidates and successful applications. The global success rate of the second call was 15%. The applicants from the SB faculty were most successful, followed by those of the SV and STI faculties. 25% of the candidates are female applicants.

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Applications #</th>
<th>Short listed #</th>
<th>EPFL Fellows #</th>
<th>Success rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STI</td>
<td>25</td>
<td>9</td>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>SB</td>
<td>21</td>
<td>8</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td>SV</td>
<td>16</td>
<td>5</td>
<td>3</td>
<td>19</td>
</tr>
<tr>
<td>ENAC</td>
<td>13</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IC</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CDM</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CDH</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>78</td>
<td>25</td>
<td>12</td>
<td>15</td>
</tr>
</tbody>
</table>
Below is an overview of the results of the second EPFL Fellows call

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Gender</th>
<th>Nationality</th>
<th>PI</th>
<th>Faculty</th>
<th>Title project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andenmatten Nicole</td>
<td>F</td>
<td>Swiss</td>
<td>Gisou van der Goot</td>
<td>SV</td>
<td>The unconventional roles of calnexin in signalling and apoptosis</td>
</tr>
<tr>
<td>Castelli Ivano Eligio</td>
<td>M</td>
<td>Italian</td>
<td>Nicola Marzari</td>
<td>STI</td>
<td>Computational Materials Design of Novel Perovskites for Photocatalytic Water Splitting and for the Oxygen Evolution Reaction</td>
</tr>
<tr>
<td>Deyle Kaycie</td>
<td>F</td>
<td>USA</td>
<td>Christian Heinis</td>
<td>SB</td>
<td>Generation of high-affinity ligands based on tricyclic peptides for therapeutic application</td>
</tr>
<tr>
<td>Diller Katharina</td>
<td>F</td>
<td>German</td>
<td>Harald Brune</td>
<td>SB</td>
<td>Optimizing the magnetic properties of metal-organic nanostructures through surface interaction</td>
</tr>
<tr>
<td>Faivre Nathan Q.</td>
<td>M</td>
<td>French</td>
<td>Olaf Blanke</td>
<td>SV</td>
<td>Neural and cognitive bases of self-grounded perception</td>
</tr>
<tr>
<td>Geiselmann Michael</td>
<td>M</td>
<td>German</td>
<td>Tobias Kippenberg</td>
<td>SB</td>
<td>Solition physics in on chip SiN micro-resonators for frequency comb applications</td>
</tr>
<tr>
<td>Iturrate Gil Inaki</td>
<td>M</td>
<td>Spanish</td>
<td>José del Rocio Millán Ruiz</td>
<td>STI</td>
<td>Translational study with end-users on non-invasive neuroprostheses using cognitive signals and shared-control schemes</td>
</tr>
<tr>
<td>Larrieu Thomas</td>
<td>M</td>
<td>French</td>
<td>Carmen Sandi</td>
<td>SV</td>
<td>The role of energy metabolism at the cortico-nucleus accumbens circuit in the biological resiliency and susceptibility to develop depression under stress</td>
</tr>
<tr>
<td>Lodha Yash</td>
<td>M</td>
<td>USA</td>
<td>Nicolas Monod</td>
<td>SB</td>
<td>Amenability and geometric group theory</td>
</tr>
<tr>
<td>Luo Jingshan</td>
<td>M</td>
<td>Chinese</td>
<td>Michael Graetzel</td>
<td>SB</td>
<td>Solar Water Splitting via Perovskite Photovoltaics and Earth-abundant Catalysts</td>
</tr>
<tr>
<td>Scarlett Jonathan M.</td>
<td>M</td>
<td>Australian</td>
<td>Volkan Cevher</td>
<td>STI</td>
<td>Theoretical foundations of high-dimensional statistical inference with non-linear models</td>
</tr>
<tr>
<td>Zoppe Justin Orazio</td>
<td>M</td>
<td>USA</td>
<td>Harm-Anton Klok</td>
<td>STI</td>
<td>Multivalent cellulose nanocrystals as viral entry inhibitors (Crystal CAVE-IN)</td>
</tr>
</tbody>
</table>

For further information, please visit: [http://research-office.epfl.ch/EPFLFellowsMarieCurie](http://research-office.epfl.ch/EPFLFellowsMarieCurie)
RESEARCH AWARDS

One of the missions of the Research Commission is to reward the young researchers who performed particularly well during the past year, in granting them one with of the EPFL research awards. These research awards are distributed during the “Magistrale” at EPFL.

“MAGISTRALE” – 04.10.2014

DOCTOR HONORIS CAUSA

- Françoise Barré-Sinoussi, researcher in virology and winner of the Nobel Prize in Medicine in 2008 with Luc Montagnier, for the discovery of HIV. She was awarded for her research to better understand the HIV virus and its humanitarian investment in the fight against this disease.

- Cynthia Barnhart, Chancellor at Massachusetts Institute of Technology (MIT), for her operational research that has had an impact in transportation systems and continued commitment to the scientific community, with particular attention to the promotion of young researchers and women. She is the first female chancellor at MIT.
The third honorary doctorate was awarded to Hansjörg Wyss, Honorary President of Synthes, a company that revolutionized the medical device market. He is an active philanthropist serving the biomedical research applied to humans. In 2009, he attributed a donation of $125 million to Harvard University to create the Wyss Institute for biologically inspired engineering. In 2013, the Wyss Foundation made another donation of 100 million Swiss francs for the creation of the Wyss Institute Campus Biotech in Geneva. Hansjörg Wyss also took the time to address a few words of humor and generosity to new students who he advised to never to do anything which does not inspire.
EPFL DOCTORATE AWARDS

The EPFL Doctorate Award was established in 1993 to distinguish the work performed during an outstanding doctoral thesis at the EPFL, and to encourage particularly qualified researchers. The award honours a candidate who performed a remarkable thesis as to its originality, the impact of the results (publication(s) in one or several international journals) and presentation of the work.

RAPHAËL HUSER

"For his contributions to the statistical modelling of extreme values, and in particular for his path-breaking study of space-time extremal rainfall, encompassing statistical theory, methods and computation."
Prof. Anthony Davison

EMANUEL GAVARTIN

OPTONANOMECHANICAL SYSTEMS FOR MEASUREMENT APPLICATIONS

"For having developed novel class of optomechanical transducers that enable on chip ultrasensitive detection of the motion of nanomechanical oscillators, which open the route to quantum-limited sensors of force, acceleration or mass detection"
Prof. Tobias Kippenberg.
PROF. RENÉ WASSERMAN AWARD

The "Professeur René Wasserman" prize sponsored by the family Wasserman, founder of the group Eutectic-Castolin and Terolab Service Management SA, rewards either a Doctoral Thesis or Post-doctoral research, undertaken at the EPFL.

The purpose of the award, maximum 10’000.- CHF, is to distinguish innovative and high level research in the field of new materials. The applicant (scientist or member of a research team) should be less than 40 years old at the moment of the application.

GEORGIOUS VIOLAKIS

UV-INDUCED LUMINESCENCE AND PHOTOSENSITIVITY IN BISMUTH-ALUMINIUM DOPED OPTICAL FIBERS

“For his important contribution to research on bismuth-related photosensitivity in silica optical fibers and our understanding of the long-term stability of UV-laser induced refractive index changes, which he produced by separating irradiation conditions from material properties, as well as the observation of UV laser light induced near-infrared bismuth luminescence.

Prof. Hans G. Limberger
“DUPONT DES MATÉRIAUX” AWARD

To mark the interest of DuPont de Nemours for the scientific research in the field of materials and the importance of material sciences at the EPFL, DuPont and the Institute of Materials (IMX) introduced the award “DUPONT DES MATÉRIAUX” award. The purpose of the award is to distinguish innovative and high level research in material sciences; research with a positive impact on the quality of life, health or the environment are privileged. 2014 marked the last distribution of the Dupont des Matériaux Award.

RANDY PATRICK CARNEY

CELL-PENETRATING NANOPARTICLES: CHARACTERIZATION AND FUNCTION

“For having developed novel analytical methods for the characterization of nanoparticles and our understanding of their interactions with cell membranes.”
Prof. Francesco Stellacci
ASEA BROWN BOVERI LTD. (ABB) AWARD

The "ABB (Asea Brown Boveri)" award rewards an innovative and high level research. Two awards are given each year, one at the EPFL and another at the ETHZ. The amount of the award is variable, with a maximum of CHF 10'000.-.

RICARDO DELGADO GONZALO

"For the development of a novel theoretical framework for the segmentation of biomedical images, its validation on concrete tasks of image and volume analysis, and its implementation as an user-friendly software."
Prof. Michaël Unser

AMANDA PROROK

MODELS AND ALGORITHMS FOR ULTRA-WIDEBAND LOCALIZATION SINGLE-AND MULTI-ROBOT SYSTEMS

"For her pioneering algorithmic and modeling contributions to the field of indoor localization based on Ultra Wide Band technology augmented with relative positioning systems as well as for her original multi-robot validation approach."
Prof. Alcherio Martinoli
"FONDATION DIMITRIS N. CHORAFAS" AWARDS

The purpose of the EPFL Dimitris N. Chorafas Foundation award is to distinguish innovative and high level research in the field of advanced data processing technology, life sciences and/or sustainability.

CATHERINE CLAVEL

"For developing an original approach to tumour targeting that provides highly selective agents for cancer chemotherapy."

Prof. Paul Dyson

ORESTIS VARDOULIS

NOVEL NON-INVASIVE TECHNIQUES FOR HEMODYNAMIC MONITORING

"For having developed original and clinically relevant methods for estimating, non-invasively, cardiac output and arterial compliance, which are parameters of outmost importance in the monitoring and treatment of cardiovascular diseases."

Prof. Nikolaos Stergiopulos
FONDATION LATSISS INTERNATIONALE AWARD

The purpose of the "Fondation Latsis Internationale" award is to distinguish a scientific work of particular excellence from all EPFL research areas.

LAURENT MOUCHIROUD

MITONUCLEAR BALANCE AS A DETERMINANT FOR HEALTH-AND LIFESPAN

"For his contributions to the understanding of the molecular and cellular mechanisms governing the life expectancy of organisms, in particular the importance of the mitochondria-nucleus intercommunication for the maintenance of the metabolic and cellular homeostasis during the aging process."
Prof. Johan Auwerx

ZENO KARL SCHINDLER/EPFL AWARD

The purpose of the "Zeno Karl Schindler/EPFL " Prize is to distinguish a postdoctoral work (high level research project and publications) of particular excellence performed at EPFL, in the field of environmental sciences and/or sustainability.

YUHENG WANG

MOBILE URANIUM(IV)-BEARING COLLOIDS IN A MINING-IMPACTED WETLAND AND GEOCHEMICAL CONTROLS ON THEIR FORMATION

"For his contribution to uranium geochemistry and for uncovering naturally occurring yet novel reduced uranium species and their impact on the uranium mobility in natural and engineered systems."
Prof. Rizlan Bernier-Latmani
CREDIT SUISSE AWARD

Each year the Credit Suisse Foundation rewards an EPFL lecturer or education team for their contribution to excellence in teaching. Candidates are selected based on their overall contribution to teaching (including lectures, student projects, texts and other educational materials), in particular its original and innovative character, as well as its enhancement of the image of teaching.

SYLVAIN BRECHET

"In recognition to the fervor with which he has sought to make the physics exciting for all. His diligent preparation has captivated his audience, his great knowledge has communicated an exciting vision of science. The structure given to his course has allowed students to explore learning together in class and on a MOOC. His contributions to a future book on thermodynamics will touch many others."

FOR FURTHER INFORMATION PLEASE VISIT

http://research-office.epfl.ch/awards
RESEARCH COMMISSION OFFICE

Research Office
EPFL VPAA DAR
Bât. BI, Station 7
Montrer sur la carte du campus
E-mail: research.office@epfl.ch

FOR FURTHER INFORMATION PLEASE VISIT
HTTP://COMMISSION-RECHERCHE.EPFL.CH/

MEETINGS

1. Tuesday 14 January 2014
   Panel meeting - EPFL Fellows: interview sessions
2. Wednesday 22 January 2014
   EPFL Fellows: Decision meeting
3. Monday 17 February 2014
   EPFL Doctorate 3rd meeting
4. Wednesday 12 March 2014
   Material Award meeting
5. Tuesday 25 March 2014
   Chorafas selection for 2014 and Symposium Latsis 2015
6. 2 – 10 April 2014
   Panels meeting: Doc.Mobility & Early Postdoc.Mobility 1st assessment
7. Tuesday 29 April 2014
   Applications for Doc.Mobility and Early Postdoc.Mobility final assessment and decisions
8. Wednesday 4 June 2014
   Prix Fondation Latsis Internationale
9. Tuesday 24 June 2014
   Panels meeting: Doc.Mobility & Early Postdoc.Mobility 1st assessment
10. 22 September – 10 October
    Panels meeting: Doc.Mobility & Early Postdoc.Mobility 1st assessment
11. Tuesday 4 November 2014
    Panels meeting: Doc.Mobility & Early Postdoc.Mobility 1st assessment
12. Tuesday 2 December 2014
    EPFL Fellows: Establishment of the short list
13. Tuesday 2 December 2014
    EPFL Fellows: Evaluation results and decision on shortlist