

Chairman:

Institut Pasteur, Pr Stewart Cole

Paris, June 1 st, 2018

Pasteur International Network Association

14th Board of Directors – June 12th, 2018

2017 Management and Financial Report

In accordance with the Articles of the Association, the Board of Directors presents the annual management report which is heard by the Ordinary General Assembly and which, where applicable, may be subject of recommendations.

1. BACKGROUND

In 2017 the Association gathers 32 active members. Institut Pasteur, represented by its President, who acts as President Treasurer of the Association and Chairman of the Board of directors. The members of the Board are:

- Ex-officio member: Institut Pasteur, with five representatives.
- 5 elected members: one representative for each Region
- 2 coopted members: external personalities

2. LIFE OF THE ASSOCIATION

- Two Board meetings have been held one on June 20th 2017 at Institut Pasteur and one on September 22nd 2017 in Abidjan, Côte d'Ivoire.
- Because of his departure from Institut Pasteur, Mr. Christian Brechot resigned from his mandate as President of the Board on September, 30th, 2017. He will be replaced from the 1st of January 2018 on by Pr. Stewart Cole as the representative of Institut Pasteur, President-Treasurer of the Association.
- During the General Assembly on the 22nd of September 2017, the 5 regional representatives are being elected as new board members for the next 3 years. The board will be composed from 2018-to end of 2020 of the following members:
 - Ex-officio member: Institut Pasteur, with five representatives – Stewart Cole, Isabelle Buckle, Arnaud Fontanet, Corinne Fortin and François Romaneix.
 - Elected members: Institut Pasteur of Madagascar, represented by Andre Spiegel, for the Africa / Indian Ocean region; Institut Pasteur of French Guyana, represented by Mirdad Kazanji, for the Americas region; Institut Pasteur of Shanghai – Chinese Academy of Sciences, represented by Dr. Hong TANG, for the Asia / Pacific region; Institut Pasteur of Algeria, represented by Dr Zoubir Harrat, for the MATI region; Institute Cantacuzino, Romania, represented by Mircea Popa, for the Europe region.
 - Coopted members: Should be co-opted during the next board meeting (June 2018)

- As for the management team:
 - Marc Jouan continued as Executive Director.
 - Vincent Brignol resigned as Project officer and has been replaced by K. Victoir as Operational Director. 22 applications were received for this position . Three CVs were selected for final presentation and selection of the board.
- The twelfth meeting of the Board was held in Paris on 20th June 2017. The Board adopted the management report for the financial year ended 31 December 2016 and closed the accounts for the year ended 31 December 2016. It also approved the 2017 budget.
 - A successor to Vincent Brignol was appointed: K. Victoir
 - An analysis was discussed of the International courses between 2012 and 2017. (see also below).
 - The area of “Technology transfer” and “Business Development” in the Network was discussed and it was decided to recruit a project manager for BD and Tech. Transfer, based at IP Paris (DARRI).
 - Commissions for the different Pasteurian missions should be created (not overlapping already existing ones).
- The thirteenth meeting of the Board was held in Abidjan, Côte d’Ivoire on 22nd of September 2017 at 9 p.m. The Board adopted the raise of the annual contribution in order to hire a part time secretary and full time “Applied research and Tech. Transfer officer” for the Network. Perspectives for the 2018 activities were discussed.
- The seventh Ordinary General Assembly took place in Abidjan, Côte d’Ivoire on 22nd of September 2017. It approved the 2016 accounts. The discussions held in the thirteenth Board were opened to the General Assembly and discussed: governance: introduction of privileged partners; “Applied Research and Technology Transfer”, Perspectives for 2018.

3. REVIEW OF ACTIVITIES

- **Pasteur International Network (IPIN) Courses**

In 2017, 12 IPIN training courses had been selected to be realized in 2018. 11 of them have been realized during the year and one of them (MalAfriCare) has been postponed to 2019.

The total amount requested for the courses in 2017 was 250 000 k€.

The call for training proposals 2018 has been closed at the end of May 2017. 14 proposals have been received, which is not a high number (22 in 2014; 37 in 2015; 17 in 2016; 21 in 2017). We believe that the main reason might be in the communication, not necessarily a lack of interest of the institutes. The usual communication tools have been used: RIIP Info newsletter, BIP newsletter, and email to the directors, scientific directors and to the teaching focal points in the Network. Other communication tools should be envisaged.

INTERNATIONAL COURSES 2017						
		TITLE	ORGANIZERS	Institute	Duration	Attributed budget (EUR)
Africa	1	Discover the Medical Mycology World: from the clinics to the diagnosis in tropical countries	Stéphane BRETAGNE (IP) + CPC	CPC Cameroun	10 days	23000
Africa	2	Méthodologie des essais cliniques et réalisation pratique	Muriel VRAY	IP Dakar	2 weeks	24000
Africa	3	MalAfriCare: Malaria course	Robert Ménard	IP Côte d'Ivoire	3 weeks	29 000
Asia	4	Virology course on Viral, Host and Environmental Determinants of Influenza Virus Transmission and Pathogenesis	Ka Pun, Mok	HKU PRP	2 weeks	10000
Asia	5	Teaching at the Asian/Pacific Institut Pasteur International Network (pathogenesis of infectious diseases, from molecular mechanisms leading to pathology after microbial infections to host immune responses)	Fernando ARENZANA-SEISDEDOS	IP Shanghai	2 weeks	29000
Asia	6	Computational Biology for Infectious Diseases	Marc CHOISY Olivier GASCUEL	IRD Vietnam	8 days	7000
Americas	7	Cells and animal models for drug discovery	Mariela, BOLLATI-FOGOLIN	IP Mont	2 weeks (10 working days)	22000
Americas	8	Insectes et maladies vectorielles en Amazonie et dans la Caraïbe: du terrain au laboratoire	Romain GIROD / Isabelle DUSFOUR	IP Guyane	2 weeks (10 days)	25000
Europe	9	Persistent virus infections and immune evasion	Jean-Pierre VARTANIAN	IP Rome - FCB	10 days	18000
Europe	10	Transgenic Technologies in modelling human diseases: principles, associated technologies, animal management, and ethics	Sylva HARALAMBOUS	Hellenic IP + IP Mont + IP Paris	9 days	20000
MATI	11	Workshop on Surveillance and Control of Rabies - Pasteur	Alireza GHOLAMI - H. Bourhy	IP Iran	2 weeks	29000
MATI	12	1st workshop on Translational Venomic Medicine: Methods of venom preclinical testing and antivenom performance to meet the challenge of human envenoming issues	Naoual OUKKACHE	IP Maroc	5 days	14000
						250000

Analysis of the International Courses Programme (2012-2017) (V.Brignol)

As asked by the last Board, Vincent Brignol made an analysis of the International Courses Programme. This report is annexed to these minutes. The main conclusions are presented here:

- Between 2012 and 2017, have been realized:
 - 77 courses (medium: 12,8 / year), inclusive 1 MOOC
 - In 22 institutes
 - Around 2000 students trained
 - From 69 different countries
 - Budget Association: 1,6 M. € / extra-funding: 1,3 M. € estimated
- Average indicators per course:
 - 25,7 students
 - 8,6 nationalities among the students
 - 60,1 applications per course (selection rate: 42,7%)
 - 25% of the students from the Network
 - 13,9 teachers per course
 - 42% of the teachers are from the Network
 - 20,6 k€ funded by the Association, 19 k€ estimated co-funding
 - 1,7 week duration

The low percentage of students from the Network is an issue. The Association must insist with the organizers about the necessity to fulfil the request for at least 50% of students from the Network (as stated in the call).

- Regional Distribution

The courses are quite well distributed compared to the regional distribution of the institutes. Only the European Region is under-represented. Nevertheless, the courses done in Institut Pasteur Paris' Training Center can compensate this issue.

Christian Bréchet remarks that this apparent good distribution can hide internal concentration inside each region (for instance, many of the courses in the Asia-pacific Region are done in Hong-Kong – Pasteur Research Pole).

- Scientific areas

The scientific areas are very diverse, representing the Network's activities. The four areas most taught are:

- Epidemiology, Surveillance, Biostatistics
- Cutting-edge techniques on molecular and cellular analysis (crystallography, proteomics, high-throughput methodologies, drug discovery, digital imaging, transgenic technologies...)
- Immunology
- Virology

- Funding

Two institutes received more than 200 k€ since 2012 from the Association (or RIIP common budget): HKU – PRP and Institut Pasteur Montevideo. Nevertheless, the funding by the Association to these two institutes has been reduced in the last years, in order to promote a better distribution of the Association's funds between the institutes. In the call, the Association now clearly states that the institutes who wish to repeat courses in the same place should get more and more financially autonomous throughout the years.

On the 33 institutes of the Network, 11 never were granted by the RIIP funding for organizing a course in the period 2012-2017.

We note that the estimated co-funding obtained by the institutes are usually around 100% of the RIIP funding, independently on the amount granted by the RIIP. This is an excellent result. It might be a little overestimated, though, as the data is based not only on the reports, but also on some courses proposals (when the reports have not been received). In order to receive all the reports, the Association now gives 85% of the granted budget before the course, and 15% after the report has been received.

- Proposals

This analysis shows a picture of the programme as it is today. It is important to use this in order to develop it as the Board wishes. The Association proposes, thus to resume clear objectives of the programme and actions to develop.

- Proposed objectives of the programme
 - Train the IPIN scientists
 - Support the implementation of the IPIN's Scientific Strategy
 - Be recognized worldwide as a platform of excellence for Teaching and Training in biomedical sciences
- Proposed actions to develop:

- Set up a full picture of the teaching and training activities in the Network, including Teaching and Training activities realized within collaborative projects (~15 courses in 2016) and directly by the institutes
- Identify priority areas
- Harmonize communication tools, increase visibility. For instance, a first action could be the implementation of a unique “graphic chart” for the courses posters around the Network
- Set up an Alumni Program
- Develop interaction and labelling with/by international institutions such as WHO, local health and research authorities, and “big players”

- **Regional Meetings**

In 2017, 6-7 of December, a regional meeting was organised at IP Shanghai, with as subject: A better preparedness for Yellow Fever outbreaks in South East Asia. The following institutes were represented:

IP Cambodia, IP Laos, NIHE, IPHCH, IP Nha Trang, IP Dakar, Hong Kong U-Pasteur, IPK, IP Iran, APIN.

During the first day a general overview of the situation in the region and in Africa (by the African partners) was given by different lectures on the topic. During the second day discussion and worksessions were organized to assess the present situation and to: 1) plan research strategies to better analyze the risk of Yellow Fever Virus (YFV) introduction and autochthonous transmission in the Asia-Pacific region, 2) to improve existing direct and indirect YFV diagnostic techniques and assure that regional Instituts Pasteur are able to differentially diagnose YFV from the plethora of other Flavivirus species circulating in Asia (Dengue Virus, Japanese Encephalitis Virus, Zika Virus, Tick Borne Encephalitis Virus, Yokosé Virus, Sokuluk Virus etc.), and 3) to discuss Yellow Fever epidemic preparedness and prevention in the Asia-Pacific region, as well as how to address weaknesses in abiding to the International Health Regulations.

Follow up will be organised by different working-groups (epidemiology (IHR), diagnostics, better preparedness, entomology) and corresponding financing should be sought for. The whole meeting was financed by IPS except for the travel of one participant (APIN).

- **Support Program to the Fight against Tuberculosis in the Republic of Gabon**

In 2017, due to the lack of funds, no action has been undertaken by the Association regarding the management of this programme until December.

188 k€ has been transferred for further actions between mid December and beginning of January 2018.

A steering committee of the programme should be convened in 2018, to identify further actions, and sign an annex to the original agreement. These actions will be undertaken with Howard Takiff (IP) and Sara Eyangoh (CPC).

- **"Official Relationship with WHO"**

In January 2016, WHO Executive Board approved the demand from the Association to enter into Official Relationship with WHO.

As an organisation in Official relations with WHO, the Association had the opportunity to make a statement at the last World Health Assembly in 24th May 2017. Nadia Khelef,

representing Institut Pasteur (President of the Association), pronounced a statement during the session "Research and Development on Potentially Emerging Diseases".

- **The Association a member of GloPID-R**

Nadia Khelef is representing the association at the GloPID meetings. GloPID-R brings together research funding organizations on a global scale to facilitate an effective research response within 48 hours of a significant outbreak of a new or re-emerging infectious disease with pandemic potential.

Becoming member of GLOPID-R allows the Association to be more visible and be more strategic when tacking part in actions on infection diseases preparedness at the international level, such as with the recent Plague outbreak. This should also enable better coordination efforts.

- **The Association was represented as “observer” to the IANPHI general meeting**

- In December 2017 K. Victoir went to the general assembly of the International Association of National Public Health Institutes (IANPHI) to represent the network. IANPHI links and strenghtens National Public Health Institutes (NPHs). It has 108 members including US. CDC, Public Health England, INVS, FIOCRUZ of Brasil etc. Some institutes are already individually members: IP Morocco, WIV-ISP Belgium, NIHE. It might be considered for the Association to become member i) for the visibility as an association of public health institutions ii) access to funds through calls for proposals. **Association’s participation in the call "EDCTP - WHO/TDR Clinical Research and Development Fellowships"**

Thanks to the work carried out together with Nadia Khelef, Advisor to the General Manager of Institut Pasteur, some members of the Association are selected to be Host Institutions for high level trainees, funded by TDR, for work on clinical trials: Institut Pasteur Ho Chi Minh City and Fiocruz.

- **Science & language and culture programme Wellcome Trust (with N. Khelef/ H. Hagen (CGH))**

In cooperation with Nadia Khelef, the Center for Global Health of Institut Pasteur, the Association follows up the building of a programme with the Wellcome Trust as main partner. Other possible partners are: Agence Universitaire de la Francophonie; British Council; Institut Français.

This programme will have the aim to “Increase scientific collaboration and cooperation between Anglo-, Franco- and Lusophone researchers working in areas related to health in Africa”.

More specifically, we plan to foster cooperation between the member institutes of the Association and the teams of the Deltas programme, funded by the Wellcome Trust. A model could be the implementation of a fellowship programme within the teams. Specific modules with language and cultural training could be organized in partnership with the British Council, the Institut Français, and maybe Lusophone partners in a second step.

AUF should be re-contacted for co-funding.

- **MATI projects : 3 projects have been selected for funding**

VENOMATICS : “TOWARDS A GLOBAL MANAGEMENT OF VENOMS AND ENVENOMATIONS: THE IPIN TRANSLATIONAL APPROACH” (IPM, IPT, IPI, IPA, IP)

ENVIRON-MOS : **ENVIRON**mental changes and **MOS**quito-borne diseases: the example of West Nile (IPM, IPT, IPI, IPA, IP)

Leishield MATI : Leishield project for Maghreb-Iran Region (IPM, IPT, IPI, IPA, IP)

Institut Pasteur will contribute with 60K€ for 2017/2018 and 2019

All other institutes will contribute up to 20k€ per selected project for the 2Years of the project for their own researchers.

The different coordinators will be informed and follow up will be organised to monitor budget/institute and actions/project. A general agreement will be circulated between the directors.

- **Applied Research and Technology Transfer**

« **Advocacy** »: Applied Research & Technology Transfer is one of the 4 IPIN missions (Collaboration agreement)*

*PREAMBULE: Les structures qui adhèrent au présent Accord, qu'ils soient Membres, Institutions Correspondantes ou Partenaires, s'engagent à développer leurs activités dans les domaines de la recherche biomédicale, de la santé publique, de la formation **et du transfert technologique***

*MISSIONS: Les missions principales du Réseau sont la recherche, la santé publique et la formation auxquelles s'ajoute le **transfert technologique**.*

Objectives of the BD Alliance for the whole IPIN :

- Trainings and sharing of expertise in TT: invention management, contracts, TT platforms...
- Build synergies to manage relationships with private parties (e.g. common project identification; contacts sharing for industrial and NGO players,...)

Proposals of the group: Recruitment of a junior project manager for **all** institutes Junior (60 k€/ year)

Discussion on the « benefit for all » of an officer for applied research has been conducted. Mirdad Kazanji remarks that some directors were not in favour of the recruitment of a specific persons. Some question the price/benefit.

What can such an officer bring as positive points:

- There is a need in all institutes to be trained on the basics of Technology Transfer which is; set up of a concrete strategy for technology transfer covering the different aspects, which has to be or will have to be addressed by all institutes in the context of the development of e.g. biobanks, and big sequence data for example.
- Another question will be the development of technological platforms and the interaction with private partners for this.
- Development of diagnostics and more specific of Point of Care diagnostics for which interaction with industry might be beneficial in case of outbreaks and joint development of tools.

4. ADMINISTRATIVE AND FINANCIAL REVIEW

The management of the Association and financial monitoring of the projects were carried out in collaboration with Crowe Horwath Fideliace.

This financial reports presents the details of the financial statements for the year ended in December 31st, 2017, that have been audited, and the annual reporting with comparison between budget and final results.

Total revenues amounted to 675 k€ (stable compared to 702 k€ 2016), as follows:

- Memberships amount to 208 k€ (6,5 k€ x 32 members)
- Donations amount to 27.5 k€
- IP Paris contribution amounts to 197.5 k€ (plus 22 k€ related to costs billed to the association but not paid, for local rent and Marc Jouan's part of the salary) and with an additional contribution of 13k€ .
- Financial revenues: 5.4 k€
- Exceptional revenue: 1 k€
- Operating subsidies for the Gabon project were 223 k€, as the Republic of Gabon delayed in transferring the due amount

Total charges amounted to 1146 k€ (compared to 708 k€ in 2015), of which:

- 264 k€ for expenses allocated to projects, as follows:
 - General Assembly meeting in Côte d'Ivoire (global meeting) 30k€:
 - Network Courses for 233 k€ and 1.2 k€ for the platform for calls for proposals
- 10 k€ has been provisioned to support to the project "Characterization of insecticide resistance in Aedes aegypti populations with different patterns of selective pressures: Cuba, Guadeloupe and French Guiana", led by Institut Pasteur de la Guyane.
- 37 k€ for G&A expenses (plus 22 k€ related to costs billed to the association but not paid, for local rent and Marc Jouan's part of the salary)
- 36 k€ for payroll and social charges related for Vincent Brignol's remaining contract and 33k€ for K. Victoir (13 k€+20 k€)
- Exceptional charges: 251 k€, being:
 - 223 k€ for dedicated funds (Gabon project delayed)
 - 29 k€ for dedicated funds (courses postponed to 2017)
-

The net result amounts to 73 k€ for 2017.

The total net assets amounts to 987 k€, mainly related to cash available and dedicated funds.

Cash available as of December 31st, 2017 amounts to 801 k€ as of December 31st, 2016).

Dedicated funds remaining as of December 31st, 2017: 251 k€ related the Gabon project (223 k€) and postponed courses. (29 k€).

For membership dues, the Association records 56 k€ not paid at December 31st, 2017 and still expected in 2018, related to: Fiocruz: 10 k€ for 2015, 2016 and 2017; CERMES: 6,5 k€ for 2016 and 2017 ; Nha Trang: 6,5 k€ for 2016 and 2017 and 6,5 k€ IPGuyane for 2017.

5. OUTLOOK FOR 2018

- **World Health Assembly**

The 2017 World Health Assembly will occur on May 2018. The Association will have the opportunity to pronounce statements, giving the Association a great visibility in front of the global actors in public health.

- **Meetings**

Support the organization of the Network's Directors Meeting in Paris, in November 2018. This meeting will have one day of strategic discussions, including the Association's General Assembly, and 2 days of scientific seminars 15-16 of November, with the objective of promoting cooperation between the institutes

- **Network courses**

- The Association will follow up the support to the selected Network Courses in 2018: funds transfer; communication on pasteur.fr and RIIP info; logistics issues; reports
- The call for Courses 2019 will be launched in the first semester; external evaluation will be realized during the summer and the selection in November, during the Directors Meeting

- **Science, Language and Culture Programme**

In cooperation with the Wellcome Trust, Institut Français and other participants, the Association and Institut Pasteur a first call will be launched for April 2018.

- **Proposal for endorsement: AIMS = African Institutes for Mathematical Sciences**

Partnership between AIMS-NEI and the African-based RIIP Institutes for Advanced Mathematical Sciences in Biological and Health Research

Based on common values, to innovate using the synergic skills and competencies of the people from the two scientific networks

Main topics of collaboration would be: Public Health (from lab and clinical data to development of decision making tool for health authorities) , Infectious Diseases, Chronic Metabolic Diseases and "One health" approach combining human, animal and environmental data. The institutes who would be interested are CPC, IPD, IPM and IPCI.