

**Chairman:**

**Institut Pasteur, Pr Stewart Cole**

Paris, June 8 th, 2019

**Pasteur International Network Association**

**16<sup>th</sup> Board of Directors – June 20<sup>th</sup>, 2019**

**2018 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 2018 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 AND GOVERNANCE ISSUES**

- Two Board meetings have been held one on June 12<sup>th</sup> 2018 and one on November 13<sup>th</sup> 2017 both at Institut Pasteur, Paris.
- Pr. Stewart Cole has taken the Presidency (President-Treasurer) of the Association since the 1<sup>st</sup> of January 2018 and as such also as the representative of Institut Pasteur.
- During the General Assembly on the 14<sup>nd</sup> of November 2018, a new regional representative for Europe has been elected as new board members for the next 3 years. As such 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, Olivier Schwartz 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 Pasteur de Lille, France, represented by Benoit Deprez, for the Europe region.
  - Coopted members: two external co-opted members have been have been elected:
    - Mrs Rebecca Grais (Epicentre)
    - Mrs Marie-Paule Kieny (INSERM)

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- As for the management team:
  - Marc Jouan continued as Executive Director until the end of 2018 and was then replaced “ad-interim” by Vincent Richard .
  - K. Victoir remains as Operational Director.
- The fourteenth meeting of the Board was held in Paris on 12th June 2018. The Board adopted the management report for the financial year ended 31 December 2017 and closed the accounts for the year ended 31 December 2017. It also approved the 2018 budget.
  - It was decided that the status of permanent (IP) members remained unchanged
- The fifteenth meeting of the Board was held in Paris on the 13<sup>th</sup> of November at 2 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.
  - An “ad-interim” for the position of Executive Director (until the new Director of International Affairs of IP will be appointed)
- The eight Ordinary General Assembly took place in Paris on 14<sup>th</sup> of September 2018. It approved the 2017 accounts. The discussions held at the fifteenth Board were opened to the General Assembly and discussed: governance:
  1. Status of 3 institutes
  2. Roles and duties of regional representatives
  3. Regional offices
  4. New members and evolution of associated members
  5. Scientific Steering committee

### 1) Status of 3 Institutes

- Considering the creation of the Medico-Military Institute of Cantacuzino and the consequences inherent to this decision on the governance, the organization and the missions of the new structure, the General Assembly of APIN takes note of the fact that the Cantacuzino Institute no longer exists in the original civil system, a status initially admitted within IPIN and, as such, is no longer a member of the network.
- The evolution of Sciensano's missions seems to correspond to the objectives and the values charter of the network. Thus, the General Assembly decides to maintain the former WIV-ISP under its new name "Sciensano" as a member of APIN.
- *The General Assembly votes the integration of IP Guinea to the International Pasteur Network (article 7.3).*
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### 2) Roles and Duties of Regional Representatives

The elected directors are also regional representatives of the institutes: their role as regional representatives should therefore be included in the statutes of the Association. Five regional representatives are currently sitting on behalf of the network on the board. Their role should be better defined. The various directors were consulted

at the last General Assembly on the possible roles of the regional representatives. Fundraisings could be linked to a regional office, but that remains to be clarified. The following emerged as important "roles and duties" of these representatives:

- Represent the region on the Board of Directors of the Association
- Organize regular regional updates (twice a year), consultations ... (calls, skype, in person ...)
- Represent the region at regional strategic meetings
- Assist the Association in setting up regional science programs and regional fundraisers

### **3) Role of Regional Offices**

A presentation is made to show the rational and principles of the setting up of the regional offices of the Pasteur international network Association. During the discussion the following principles were discussed:

- Missions: regional offices could be created to facilitate coordination with the regional representative of regional actions and scientific programs and the search for regional funding. The representatives of each region and its directors will have to define the corresponding responsibilities and activities of this (these) regional office (s).
- format: These regional offices can be set up in the following forms:
  - o "Grant offices" responding to calls for tenders or
  - o with a goal for "fundraising"
- Location: It will also be necessary to define the location of these offices (in the same place as the regional representative or not) and the possibility of recruiting or assigning human resources (by the host institution or by the association).

In order for the network to become a « real » Network, regional offices could be an essential step while remaining closely linked to the headquarters of the Association.

### **4) Presentation of the basic criteria and possible evolution towards the inclusion of new members in the network.**

In addition to requests for the establishment of international Pasteur Institutes, the Institute and the Association receive a wide range of applications for membership to the Network from various kinds of entities:

- Universities / Centers or Poles
- Research institutes
- Public health institutes

Existing procedures and steps include:

- Article 3 of the cooperation agreement and the Pasteurian values charter which describe the eligibility criteria and the inclusion process:
  - o the need for the scientific activities of the proposed partner to be complementary to the existing institutes (geographically or thematically)
  - o the support of this request by the national authorities
  - o The presentation of this application for membership by a member of the General Assembly.
  - o The General Assembly may decide to invite the candidate to the next meeting to formally present his / her candidacy and to decide by a two-thirds majority.

Question: is there a need – or not – to redefine / specify this process by adding new eligibility criteria?

Conclusion: must be discussed:

- The inclusion process (profile, pre-inclusion period, etc.)

- The message that is intended to be conveyed about the "evolutionary flexibility" of the network.
- The financial implications of inclusion or not will also have to be taken into account, whether or not the new partner will facilitate additional funding for the Network.
- the definition of a partnership strategy (who, where and for what) should be put in place and, consequently, a general strategy for the network
- Is there a pre-inclusion "trial" period?

It is proposed that the regional representatives coordinate the proposals with the Board of Directors of the Association to be proposed and voted on at the next General Assembly.

It was also noted that replies should be sent to the institutes that are waiting for an answer (such as the NHL of Myanmar).

### **5) Approval of a scientific Steering Committee**

Presentation of the objectives and the methodology for the setting-up of the scientific committee of the network:

#### **Mission**

- Conduct a prospective thinking on global scientific actions
- Develop action proposals for better visibility and specificity
- Be part of the programming of the main scientific meetings of the network.

#### **Proposed composition:**

- 1 experienced Institut Pasteur scientist
- 2 high-level scientists from RIIP (excluding intellectual property)
- 1 emerging personalities (mid-career) of the RIIP (excluding intellectual property)
- 1 international senior external personality (preferably a clinician)

#### **Proposed operational procedures:**

Mandate of 3 years renewable once.

Implementation should be done by: APIN-DI Regional Offices

Meeting 1-2 / year (once in person, once per video conference)

#### **Deliverables:**

Recommendations (specific orientations with actions described, partners, financing) to APIN and International Management.

The proposal is that each institute proposes a scientist from its institution and that the Board of Directors with the DI (International Management) makes a selection at the next Board of Directors get together.

It is noticed that a general strategy of the network (not only scientific) is necessary to establish and to implement.

### **The General Assembly approved**

- i) the implementation of a Scientific Steering Committee
- ii) the proposed agenda for the next year

### 3. REVIEW OF ACTIVITIES

#### Accomplishments and Actions

##### ▪ Teaching and Training

##### ✓ Courses in 2018

In 2018, 10 IPIN training courses had been selected to be realized in 2019. 8 of them have been realised one has been put on hold and will be cancelled due to the status of the hosting institution (Cantacuzino, Roumania) on of the courses on Plague was proposed to be transferred to Madagascar and to perform it in 2019 along an important International Plague meeting in Antananarivo at Institut Pasteur of Madagascar.

The total amount requested for the courses in 2018 was 206 850 k€.

The call for training proposals 2018 has been closed at the end of June 2018. 13 proposals have been received, this number is stagnating since a few years. It seems more and more demanding for researchers, to organise, on top of their normal activities international courses. In the light of a labeling process we might evolve towards a different type of course funding and we might consider to put some more funds on online material.

Region	n°	TITLE	ORGANIZERS	Institute	DURATION	Funding by APIN
Africa-Indian Ocean	1	"Les techniques de l'immunologie", deuxième édition	François HUETZ	IP Madagascar	2 weeks	30 000 €
Africa-Indian Ocean	2	Methodology of Clinical Trials and practical implementation	Gwenaelle CARN	IP Madagascar	2 weeks	30 000 €
Asia - Pacific	3	Tuberculosis: from molecular diagnosis, drug susceptibility testing and genome sequencing to treatment of MDR and XDR-TB	Howard TAKIFF	IP Paris	2 weeks	10 000 €
Asia - Pacific	4	IPIN Asia-Pacific Teaching Course 2018. "Epidemiology of infections, functional genetics, novel technologies of pathogen diagnostic/discovery, and systems biology of pathogen infections"	Fernando ARENZANA	IP Shanghai - CAS	2 weeks	20 000 €
Asia - Pacific	5	10th HKU - Pasteur Immunology Course: Quantitative Immunology	Sophie VALKENBURG	HKU - PRP	2 weeks	25 050 €
Asia - Pacific	6	Innate immunity and infectious diseases	Daniel SCOTT	IP Paris / IP Cambodia	2 weeks	28 000 €
Europe	7	First International Course on Innate immune response to viral infection	Jean-Pierre VARTANIAN	IP Paris / IP Rome - Cenci Bolognetti	1,5 week	10 000 €
Europe	8	Course in laboratory animal science: biomedical applications, experimental techniques and regulatory aspects	Cristin COMAN	I. Cantacuzino	1 week	14 000 €
MATI	9	Agents infectieux et Cancer : de la clinique aux nouveaux biomarqueurs	Eliette TOUATI	IP Paris / IP Morocco	1 week	19 800 €
MATI	10	International Training Course on Plague	Ehsan MOSTAFAVI	TBD	1 week	20 000 €
TOTAL						206 850 €

- ✓ Educational guidelines for 2020

An international committee, composed of the following members, has been set up: Mr. Sala, C. Bettanay, S. Shorte, A. Santoni, F. Arenzana, DI, Hechmi Louzir, to appoint an Africa Label representative of the Institut Pasteur International Network.

### **Creation of a Pasteur International "Label"**

1. Short term: Organize, in a more consistent manner, the different funded courses and as such, identify the priority courses for the following three-year programs:

- i) Immunology
- ii) AMR / Microbiology - related to bioinformatics
- iii) A structural course (e.g. ethics,)

The first step should be the call and the 2019 courses (see below).

Launch the call accordingly for the 2020 courses.

2. Long term: develop a visible and consistent international training program with an internationally recognized label, which reflects Pasteurian values and preserves intellectual property.

For this purpose, procedures for the harmonization of the courses, their content (theoretical and practical), the level of the students, the duration of the courses, selection and evaluation, harmonization of the support tools etc. must be put in place.

Proposal: establish a set of specifications in order to reach a harmonization of the RIIP courses before the next meeting of the Board of Directors of the Association.

### **Accreditation by the "Open University"**

Open University is an organization that permits international accreditation of Master and PhD courses. A proposal is made for the RIIP to be an Affiliated Research Center in order to be able to label the training courses of the network.

The advantages are that we courses can be introduced into an existing quality assurance system that is flexible with logistical support from the "Open University".

## ▪ **Regional Meetings and Call for Regional Projects**

- a. A satellite regional meeting was held in Paris after the Directors meeting in November 2018.

### Discussion:

- Determine roles and functions of a potential regional office, decide on the “office”’s setting/ scope according to identified needs; then select the most suitable country where it should be located (a fit with the country’s regulation and local IP’s capacity to host needs to be considered)
- Functions identified so far: (1) organize regional scientific activities, (2) act as the legal representative and interface of PINA in Asia towards regional funders

### Actions:

Seek legal advice on types of status needed and on the choice of best-suited country to register such an entity in relation to the existing association (PINA) in order to preserve a link. (The office may not follow the regional representative to give continuity to the job and facilitate recruitment of the best qualified person/ partner)

- Identify lawyer and legal fees to answer above question. Kathleen to seek help from IP Paris’ lawyer first.
- Elaborate on regional office functions, duties, job description of the staff, estimate and propose budget needed (budget depending on where the office would be located).
- Further input is needed from all IPs in the region regarding regional activities and the role of the office.

## IRAN MEMBERSHIP

Discussion: IP Iran’s request to transfer to Asia Pacific is agreed. It will join our region as a **Principal Guest Member**.

### Actions :

- IP Iran to prepare formal request to Administrative Board of PINA
- A transition period of 3 years is possible to be considered
- Board of PINA to ask for a plan that will ensure a viable and sustainable solution that takes into account the transfer of IP-Iran to the Asia-Pacific region.

## NEXT REGIONAL SCIENTIFIC MEETING

- IP Shanghai to lead the organization of the meeting. Suggested place: Yunnan; date: March to Mai 2019
- Projects/ agenda to be discussed: (1) cross-border research for preparedness initiative to implement surveillance and capacity building and (2) HFMD and other to be suggested by all IPs.

- Identify how institutes in the regional will each participate and contribute to the scientific programs
- This event will not be funded by APIN.

There were two main conclusions:

- Further actions and discussions are needed
- b. Two regional meetings have been budgeted for 2019. The regions where there has been no meeting for several years are the Europe region and the Americas region (2014).  
From the participants' perspective, organizing scientific themed meetings seems to be more interesting.  
There is 40 000 € available.  
Members are invited to take note of the proposal of the Pasteur platform at the University of Sao Paulo (invited) to co-organize a meeting and bear some of the expenses.  
For the Europe region, the Hellenic IP offers to host a meeting.
- The two regions are requested to tender in their budget proposals in order for the feasibility of the two meetings to be analyzed.
- c. In 2018 the sum of 40 000 euros is available for a call to for a regional project initiation course.  
The subject proposed by the Board is to support initiatives on "Cross-border detection of emergencies for better response".
- This call will be launched at the beginning of 2019 and can be coordinated in connection with the scientific committee.

#### ▪ **Activities of the Applied Research and Technology Transfer Group**

Technology Transfer and Applied Research is one of APIN's four missions

The Association has increased its contribution fees in response to a request from the network institutes and has identified the need to create an improved environment for enhancing the institutes' scientific programs and improving the public health benefits.

Objectives of the "BD Alliance":

- Training and sharing of expertise in TT: communication on inventions, patents, contracts, TT platforms...
- Sharing of technology platforms and data management
- Creation of synergies to manage relations and propose technologies to private parties (for example, identification of common projects, sharing of contacts for industrial actors and NGOs ...)



Proposal:

- Recruitment of a Junior Project Manager for all Junior Institutes (45Mk € / year)

One candidate was identified but, because of the low salary and a better external proposal (permanent contract with the CNRS), she finally refused. No other candidates were found.

It was decided at the June Council to use this BD budget in a different way for the year 2019 by including:

- 2-3 site visits (IP Dakar, followed by Tunisia, Asia) to meet specific needs
- A course on entrepreneurship and relations with the private sector (course in 2019 in Uruguay and preparation for an equivalent course
- Setting up a Q & A service
- Contribution to the discussion on sharing platforms and pooling in the Network

In order to co-ordinate the actions with the institutes of the Network in an optimal way a B & D working group (renewed) will be set up.

The operational contact person is Antonio BORDERIA.

#### ▪ ***Regional Activities:***

##### ***Asia***

For the South East Asia Region, two meetings were held, one in Shanghai, where the meeting eventually turned into a regional scientific symposium. In December 2017, IPS organized a symposium on yellow fever and in 2018, a symposium on the fight against vector-borne diseases in South China, Yunnan. The idea is also to establish roadmaps for financing related projects developed, for example to address ASEAN, APEC, Asian Investment Bank and Development.

The Greater Mekong Initiative, which focuses on six countries in the region, is part of this initiative and financial support could ensue.

Other important issues for the region are epidemic preparedness, technology improvement and pooling; coordination of innovations.

It is reported that there should be better advocacy on this issue with local governments.

The issue of solidarity is important among institutes, particularly in South-East Asia, where institutes such as the IPC are increasingly marginalized by local governments and other national institutions. The network as such should be better defended with regional and national authorities. IPS with APIN is ready to become more involved in these "solidarity" actions.

#### ▪ ***Projects***

It was proposed that the projects presented by the association during the year 2019 would focus on public health and strengthening of surveillance systems, AMR and capacity building.

- Department of Human Health Services (DHHS)/ Assistant Secretary for Preparedness and Response

It was decided that the next DHHS / ASPR funding would be transferred from DI (International Management) to the Association.

This project will aim to:

- Better prevention of epidemics
- Harmonies early warning systems
- Work towards the implementation of the last-mile with the introduction of innovative monitoring technologies.

- Project with IP Laos financed by a US donation

**Name of grant recipient:** Emma POLLACK, BA

**Financial support:** Pasteur Foundation and the IPIN association

**Period of support:** February to August 2018

**Location:** Lao Lux laboratory at the Institut Pasteur du Laos, Vientiane, Laos

**Project title:** “Knowledge, Attitude and Practice regarding blood safety among blood bank staff and blood donors”.

**Mentor:** Antony BLACK, PhD. Lab Manager of the Lao Lux Lab at IPL

#### Executive summary

The Lao Blood Bank screens donated blood for transfusion transmitted infections, namely hepatitis B virus (HBV), Human Immunodeficiency virus (HIV), hepatitis C virus (HCV) and syphilis. However, there are many challenges, including repeat positive HBV donors, lack of retention of donors and low reliability of testing. Given the particularly high prevalence of HBV in Lao PDR, these blood safety issues are important to address. One aspect of blood safety relates to donor knowledge, attitude and practice (KAP) towards blood safety issues.

In this study, we administered a questionnaire to determine the KAP of 625 Lao blood donors in 3 provinces towards blood safety, with a particular focus on HBV.

We identified important gaps in donor KAP such as low knowledge on routes of HBV transmission, risk factors and vaccination. Our recommendations include educational events around blood donation campaigns. We reported our findings orally and in written form to the Lao Blood Bank and produced an information leaflet for distribution to the blood donors.

(Full report in Annex)

- SoNAR

An EC-funded project on Social Sciences in emergencies (project led by T. Gilles-Vernick). APIN is a partner and will facilitate the participation of African institutes.

- The Gabonese Tuberculosis Project

Since the end of December 2017 beginning of January 2018, the Gabonese authorities have transferred 188 k € to continue the project. Of the 188k €, 173 k€ remain available for follow-up actions. Kathleen Victoir proposes to complete the project with training (public health actors at the central and peripheral level, followed by the new treatment regimen and follow-up of lost MDR views) and supplementing with a GeneXpert for detections in infant. Howard

Takiff, a TB specialist, will visit Gabon in early 2019 to get a better idea of what is needed to improve the diagnosis of tuberculosis and MR. It was decided not to request the remaining balance of +/- € 94000 and to finalize the project, with an addendum to the initial agreement describing the remaining actions.

- Laos project financed by donator

- Submission to Fleming Fund

Three submissions were made to the Fleming Fund for antimicrobial resistance surveillance projects. 2 letters of intent and a full proposal have been submitted.

The two letters of intent were retained.

1) Letter of Intent and Detailed Proposal for IP Network Institutes as host institution for trainees on antimicrobial resistance disciplines (Lab, Epi, One Health Approach ...). APIN has been selected as the host consortium and the first trainees are expected in 2019.

2) A Letter of Intent For the regional projects, the letter of intent was retained, but it was decided not to submit a full proposal for the following reasons:

Priority countries were revealed 4 weeks before the submission of a full proposal.

- In Southeast Asia, three countries were targeted: Vietnam, Laos and Myanmar. Myanmar has been contacted but they have not responded. Vietnam responded (HoChiMinh), but a week before the submission deadline, Hanoi already had an agreement with Oxford, with which they have been working for some time already. IP Laos does not have a bacteriology laboratory; the Ministry of Health thus collaborates with the Oxford Group of the university. Cambodia is a non-target country, and is, by itself not powerful enough to submit a regional proposal. As a result, a regional partner was sought, the Melbourne Doherty Institute (T. Stinear). It was not selected for the second round. Oxford claimed to be ready to collaborate, but only after the selection. Contacts were made at a meeting in Oxford. Other discussions are underway.
- West Africa: none of the IP countries have been targeted as priority countries (Ghana, Uganda, Burkina Faso, Nigeria and Mali). The partners of these countries are not well known and there was not enough time to organize a complete proposal without finding out and identifying partners.
- East Africa: Madagascar was not a target country and no request for submission was made.

Conclusion: Antimicrobial resistance and microbiology in general remains an area to be strengthened in the IPIN network. It is necessary to define an appropriate strategy for i) training ii) partnerships iii) strengths iv) calls.

The following projects are under discussion or have been submitted for funding during 2018 (Table 1).

Research projects	Funds available	subject	involvement	Current state
Gabon TB project	~+ 133k€ recieved	Support TB surveillance in Gabon, integrate them in TB Network activities	RIIP scientists	End the project
RESER	200k€	Microbiology training and structuration	IP, RIIP, INVS, ANSES	Not possible, LABEX funds not available for association
DARPA	15M\$	Emerging know viruses	GVN	Politically incompatible at the time
Fleming Fund Host institution	900 K€	Training of fellows on AMR	Belgium, Lille, Guadeloupe, Cambodia, Madagascar, Cameroun, Dakar, Paris (CGH, GO, DI)	LOI accepted, Waiting for reply for full proposal
Fleming Fund Regional Grants	3-6 ME	Exploring unpublished AMR data (lab and epi) in low and middle income countries	Laos, Cambodia, Vietnam, Cameroun, Senegal, Madagascar, Morocco, Paris (GO)	LOI accepted, Non eligible countries, Nationally non identified AMR institutions or laboratories, too weak scientific power, low interest from IP, ...
NIH	5M\$	Genomic Center Call	IP, McGill, Guyana, Madagascar, Cambodia (GO)	Pulled out because no DUNS number
EU	50k€	Social Sciences and emergencies	(GO) Tamara Gilles-Vernick	On hold
INPL	2M€	Syndromic approach for identification of	IPD, CPC, IPG, IPB, IPCI H. Zeller/K. Dellagi	In discussion
SEA Regional Project (PH, YF)	XXME	Emerging diseases, diagnostics and detection, vector control, malaria drug resistance	IPL, IPC, IPS, Vietnam, IPD	Looking for Funds
<b>MATI Projects</b>	100 000€/project	Regional project + IP	IP MATI –RIIP scientists	Extend to other regions and create new regional funding paradigms Next: Aging in EU

  

Public Health			partners	objective
		* Submission of grants to ACDC * Positioning of African IPs in ACDC strategy * Response to Fleming Fund	IP Network/CGH	Reinforce i) surveillance ii) reference laboratory activities iii) respond to outbreaks TB developed
		* set up a virtual reference lab (mutualisation of		TB developed

Table 1: Actions on new projects in the last 10 months

The participation of the Association has not been the same in all projects and submissions.

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

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.

A first call was launched in 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.

One fellow of IP Madagascar has been selected for funding for an exchange with Sokoine University of Agriculture in Tanzania. And one student from the MRC the Gambia is going to Institut Pasteur of Dakar.

- **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 has been circulated between the directors.

- **Website**

The Association needs a website to respond to calls for proposals and for more visibility. There is currently a space on the IP Paris website for international actions.

It is proposed and agreed that the site will first be hosted on the general IP site and that after six months and one year, an external company would be identified to create an independent website.

APIN would be presented as follows:

### **Mission**

Contribute to the prevention and control of (infectious) diseases for better global health through; i) research, ii) public health activities, iii) training and iv) application development and technology transfer

### **General objectives**

A flexible and operational platform that can help the Institut Pasteur Network to implement:

- Its broader scientific strategy
- Regional policies and scientific actions (projects and training)

- Cross-cutting actions
- Operational support and application of research questions and results to relevant communities, policy makers and the general public
- Its organization and governance

**Activities** (call for course proposals)

▪ **Partnerships**

✓ WHO

3 statements were made to the WHO General Assembly (N. Khelef):

1. In support of the WHO work program (GWP13), particularly on the epidemic (field, training and R & D), antimicrobial resistance and access to medicines, vaccines and diagnostics.
2. Improved management of the global shortage of drugs and vaccines, with increased scientific support for production in LCI, as well as for health products and support for R & D, including in LCI.
3. In support of the "High Level Meeting on TB Control" at the UN in September 2018, wishing to be represented at the highest level, support R & D and indicate that Stewart Cole is ready to make a personal commitment.

Submission and acceptance of the collaboration plan between WHO and APIN for 2019-2021

(N. Khelef, K. Victor, H. Zeller)

1. Promotion of the WHO strategy and technical support to WHO activities in accordance with GWP13,  
Improve epidemic preparedness and response, IHR implementation, improve surveillance systems, accelerate the elimination and eradication of high-impact communicable diseases; implement actions around the Anti-Microbial Resistance.  
Collaboration with target on: EYE, Pandemic Influenza Preparedness, R & D Master Plan, Rabies Control and Elimination and End of Epidemics.
2. Strengthen and support the health systems and capacities of the countries concerned, including human resources and data availability.
3. Collaboration on training to strengthen the capacities of the countries within the framework of the RSI and the vector control.

✓ IANPHI

(<http://www.ianphi.org/whoweare/index.html>)

The International Association of National Public Health Institutes links and strengthens the government agencies responsible for public health. IANPHI improves the world's health by leveraging the experience and expertise of its member institutes to build robust public health systems.

IANPHI connects national public health institutes around the world. Since 2006, the number of IANPHI members has grown from 39 to over 100 NPHIs. Members provided technical expertise for the development of IANPHI tools, including the Framework for NPHI Development and Strengthening, Evaluation and Capacity Building. They are technical experts and partners behind more than 61 investment projects, including helping 14 countries to consider and create new NPHIs. Our 100 members represent 88 countries benefiting 5 billion people on 4 continents.

What APIN expects from IANPHI:

- As of now, Association is invited to its meetings as an observer.
- The network would be recognized as a member of a public health network that can be of use to potential funders (public health institutions, EU ...)
- The membership fee as a full member is currently of 6000 €. Membership is thus, presently, not an option for the Association. A more reasonable fee with an Associate-Member status will be negotiated.

✓ GVN

(<http://gvn.org/about/mission/>)

The GVN mission is to strengthen medical research and response to current viral causes of human disease and to prepare for new viral pandemic threats.

GVN meets its mission in three ways:

Support for cutting edge research

Public education

Advocacy

What GVN expects from the RIIP:

- To be announced as a partner
- To co-apply to calls for proposals (US and EU)
- To be a partner of a COST action (EU)

How does the collaboration work currently: The president of the GVN (C. Brechot) makes contact with specific requests and these are shared with the Institutes in order i) to update on the requests ii) to collect and wishes to be involved or not.

Institutes always have the possibility of joining the actions as an individual institution.

✓ GISAID

(<https://www.gisaid.org/about-us/>)

### **Enabling Rapid and Open Access to Influenza Virus Data**

The GISAID Initiative promotes the international sharing of all influenza virus sequences, related clinical and epidemiological data associated with human viruses, and geographical as

well as species-specific data associated with avian and other animal viruses, to help researchers understand how the viruses evolve, spread and potentially become pandemics.

GISAID does so by overcoming disincentives/hurdles or restrictions, which discourage or prevented sharing of influenza data prior to formal publication.

The Initiative ensures that open access to data in GISAID is provided free-of-charge and to everyone, provided individuals identify themselves and agree to uphold the GISAID sharing mechanism governed through its Database Access Agreement.

GISAID has an ongoing educational program including training workshops and demonstrations, organized by members of the GISAID database technical group, often in collaboration with institutions from different regions of the world.

### **Development of Novel Tools for Analysis**

GISAID actively promotes the development of novel research tools for the analysis of influenza data by helping developers to facilitate the integration or connection of their tools to analyze GISAID data.

What does GISAID expect from RIIP:

- Co-organize a training workshop on the genetic sequence analysis of influenza viruses to provide training on the monitoring of sequence variations between influenza viruses, in relation to the surveillance of influenza epidemics and the detection of antiviral drug resistance against influenza.
- Use the Influenza platform to spread to other viruses (arbovirus) and expand training on this topic.
- Advertise the network as a partner

✓ 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.

GloPID financed some actions on Plague in Madagascar.



## 6. 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 report presents the details of the financial statements for the year ended in December 31<sup>st</sup>, 2018, that have been audited, and the annual reporting with comparison between budget and final results.

**Total revenues** amounted to 783 k€ (stable compared to 732 k€ 2017), as follows:

- Memberships amount to 232,5 k€ (7,5 k€ x 31 members)
- Donations amount to 4 k€
- IP Paris contribution amounts to 199 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 47,2 k€ .
- Financial revenues: 3 k€
- Operating subsidies for the Gabon project were 173 k€, as the Republic of Gabon delayed in transferring the due amount

**Total charges** amounted to 634k€ (compared to 659k€ in 2017), of which:

- 176,2k€ for expenses allocated to projects, as follows:
  - General Assembly meeting in Paris (global meeting) 7K€:
  - Network Courses for 167k€ and 1.2 k€ for the platform for calls for proposals
- 28 k€ for G&A expenses (plus 22 k€ related to costs billed to the association but not paid, for local rent and The executive directors' part of the salary)
- 11,6 k€ for payroll and social charges related for a part-time assistant and 55 k€ for K. Victoir (with additional 47,2k€)
- Exceptional charges: 222 k€, being:
  - 173 k€ for dedicated funds (Gabon project delayed)
  - 49 k€ for dedicated funds (courses postponed to 2019)

**The net result** amounts to 149 k€ for 2018.

40 k€ has been provisioned to support **a project with on transborder and resistance issues** (postponed to 2019) .

**The total net assets** amount is 1113 k€, mainly related to cash available and dedicated funds.

**Cash available** as of December 31<sup>st</sup>, 2018 amounts to 870 k€. (Hereof 200k€ has been placed on a savings booklet)

**For membership dues**, the Association records 49.5 k€ not paid at December 31<sup>st</sup>, 2018 and still expected in 2019, related to: Fiocruz: 30k€ for 2015, 2016 and 2017; CERMES: 13 k€ for 2016 and 2017 ; Nha Trang: 6,5 k€ 2017.

In 2018 all members paid their fees.

## 7. OUTLOOK FOR 2019 (in Brief)

### • Governance

- Set up and co-organise meetings of Scientific Steering Team of the Network
- Further explore the possibility of the implementation of Regional Offices
- Organise regular regional calls/visio conferences with regional representatives (Africa and MATI)
- Prepare proposal for criteria of structuration of Network
- Set up a Strategic Plan?

### • Meetings

- Organisation of two Regional Meetings (America's in Sao Paolo in 3-5 July 2019 and Europe, Athens, Greece 4-5 September 2019)
- Next GA, in November 2019 in Cameroun.
- Participation to Gates Meeting in Addis Ababa (related to Grant Challenge)

### • Teaching and Training

- The Association will follow up the support to the selected Network Courses in 2019: funds transfer; communication on pasteur.fr and RIIP info; logistics issues; reports
- The call for Courses 2020 will be launched in the first semester; external evaluation will be realized during the summer and the selection in November, during the Directors Meeting
- Continue to work towards harmonisation and labialisation of proposed courses and continue to explore the possibilities with "Open University" (with DI and DET).
- Scout for innovative tools applicable to the Network courses
- Better organize the "content" of the courses:
  - Organize more coherence between the different financed courses and as such Identify priority courses for the next 3-year programs: i) Immunology ii) AMR/Microbiology-linked with bio-informatics iii) Immunology iv) one structural course (e.g. ethics, ...)
  - **Develop a visible and coherent international training curriculum**, which reflects the IP values and "savoir faire". The overall format might be the development of 2-year programs (including re-use of already planned courses but by coordinating participation of students, programming), with theoretical and practical sessions, organized into modules going from basic sessions to more advanced and very specialized ones. Inflow would be possible i) from the basic level to the more specialized ones ii) directly in the more advanced level upon control.

### • Technology Transfer and Applied Research

- Try to increase actions of "ticketing service for the institutes": Sharing of Techtransfer tools: MTA, possible Intellectual Property strategies, make link with industry, how to go from science to entrepreneurship...(DARRI)

- At the end of 2019 make an evaluation of actions

Links should be made with:

- Biobanking strategy (with PibNet)
- Technology platforms should be better shared and harmonised and interaction with the private (industrial) sector could be mutualised for the benefit of the network, especially within the context of emerging threats (with group of Christophe Denfert).
- Set up common procedures for: good laboratory practices, waste management, biosafety, biosecurity, minimal ethics....

- **Projects**

- Writing of HHS/ASPR Grant
- Start of implementation of SONAR
- Follow up of Mati-projects
- Follow up of possible actions with LIH
- Follow up and implementation of Fleming Host Institution Grant
- Implementation of Gabon project
- **Find a “niche” of scientific actions for PINA:** decline the overall scientific strategy into a PINA “brand” e.g. orient towards the target group (adolescents?)

- **Partners**

- Start to implement the NSA workplan submitted (courses, IHR actions,...) to WHO
- Follow up with GISAID

- **Further develop Website**