IPNA Fellowship Program

Report of the
IPNA Fellowship Committee

Paulo Koch Nogueira
Fellowship Committee Members

- Paulo Koch Nogueira
- Brad Warady
- Francisco Cano
- Hong Xu
- Il-Soo Ha
- John Mahan
- Kim Yap
- Mara Medeiros
- Mignon McCulloch
- Natalia Mejia Gaviria
- Prasad Devarajan
## Total of applicants 2003-2019

<table>
<thead>
<tr>
<th>Status</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPLETED</td>
<td>232</td>
<td>67%</td>
</tr>
<tr>
<td>NOT APPROVED</td>
<td>41</td>
<td>12%</td>
</tr>
<tr>
<td>PROBLEM</td>
<td>28</td>
<td>8%</td>
</tr>
<tr>
<td>ABOUT TO START</td>
<td>23</td>
<td>7%</td>
</tr>
<tr>
<td>IN TRAINING</td>
<td>20</td>
<td>5%</td>
</tr>
<tr>
<td>ANNULED</td>
<td>3</td>
<td>1%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>347</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Fellows (completed, in training or about to start)

n=275
## Fellows (origin versus training site)

<table>
<thead>
<tr>
<th>Origin/Training</th>
<th>Africa</th>
<th>Asia</th>
<th>Europe</th>
<th>Latin America</th>
<th>North America</th>
<th>Oceania</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>46 (75%)</td>
<td>3</td>
<td>10</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>61 (22%)</td>
</tr>
<tr>
<td>Asia</td>
<td>2</td>
<td>156 (93%)</td>
<td>5</td>
<td>0</td>
<td>2</td>
<td>3</td>
<td>168 (61%)</td>
</tr>
<tr>
<td>Europe</td>
<td>0</td>
<td>1</td>
<td>12 (92%)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>13 (5%)</td>
</tr>
<tr>
<td>Latin America</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>27 (87%)</td>
<td>0</td>
<td>0</td>
<td>31 (11%)</td>
</tr>
<tr>
<td>North America</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2 (100%)</td>
<td>0</td>
<td>2 (1%)</td>
</tr>
</tbody>
</table>
Fellows (origin over time)
Grant investments over time

sum of grants (U$ x 1000)

- 2003: 9
- 2004: 20
- 2005: 40
- 2006: 90
- 2007: 61
- 2008: 54
- 2009: 115
- 2010: 75
- 2011: 144
- 2012: 190
- 2013: 185
- 2014: 234
- 2015: 224
- 2016: 190
- 2017: 294
- 2018: 172
- 2019: 132
Fellows per local of training
Training centers

Asia = 9 centers
Training centers

Africa = 11 centers
Training centers

South America = 3 centers
Final reports - Rate the relevance and effectiveness of the program

n=48
Final reports - Rate the change in your current practice
Final reports - Rate the learning objectives of this program

**Investigation**

- Entirely met: 45
- Partially met: 5

**Diagnosis**

- Entirely met: 35
- Partially met: 10

**Research**

- Entirely met: 20
- Partially met: 15
- Not met: 5
Survey Overview
- 30 fellows from 13 countries:

  Bangladesh  Colombia
  Democratic republic of Congo  China
  India  Lebanon
  Myanmar  Nepal
  Nigeria  Romania
  Senegal  Sudan
  Tunisia

- 1st fellowship started on 1st March 2013
No. of fellows per mentor

- Dr. Arpana Iyengar: 4
- Dr. Ashraf Bakr: 1
- Dr. Cecil Levy: 1
- Dr. Hong Xu: 1
- Dr. Hui Kim Yap: 9
- Dr. Juan José Vanegas Ruiz: 2
- Dr. Kishore D. Phadke: 1
- Dr. Laure Collard: 1
- Dr. Mignon McCulloch: 1
- Dr. Pierre Cochat: 4
- Dr. Priya Gajjar & Dr. Peter Nourse: 1
- Dr. Uma Ali: 4
Did you receive IPNA certificate?

- YES: 27
- NO: 3

Total: 30
Did you receive Online or Hard Copy of IPNA Textbook?

- Yes: 19
- No: 11
Did you attend a Regional/National Pediatric Nephrology Conference?

- No: 10
- Yes: 20
<table>
<thead>
<tr>
<th>Topic</th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nephrotic syndrome</td>
<td>24</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Hypertension</td>
<td>23</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>Hemodialysis in children and adolescents</td>
<td>23</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Percutaneous kidney biopsies</td>
<td>21</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>Acute and chronic care of children with a renal transplant</td>
<td>19</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>Complicated fluid, electrolytes and Acid-Base disorders</td>
<td>18</td>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td>Automated peritoneal dialysis in children and adolescents</td>
<td>17</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td>Plasmapheresis</td>
<td>17</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>Manual peritoneal dialysis in children and adolescents</td>
<td>15</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Continuous renal replacement therapy in children and adolescents</td>
<td>13</td>
<td>10</td>
<td>7</td>
</tr>
</tbody>
</table>
Additional questions

Are your current activities connected with:

▪ Pediatric Nephrology?
  ▪ 18 fellows said they are involved in Pediatric Nephrology from 30–85 %
  ▪ 12 fellows said they are involved in Pediatric Nephrology from 90–100 %

▪ Adult Nephrology?
  ▪ Almost all fellows answered they are 0 % involved in Adult Nephrology

▪ General Pediatrics?
  ▪ 12 fellows said they are involved in General Pediatrics from 4–25 %
  ▪ 10 fellows said they are involved in General Pediatrics from 30–70 %
Recommendations to improve IPNA fellowship:

- **Additional funds:**
  Travel fund, research fund, Fund the construction of pediatric nephrology functional units in Africa

- **Extend the training period:**
  2 years would be nice but it would be helpful to go to another center for the second year
  I think the optimal period is 12 months, 6 months is not sufficient
  Extended training will provide more work experience
  For candidates without any exposure to pediatric nephrology, extending the fellowship beyond a year is prudent
  Yes, for more mastery especially for fellows who do not have a nephrology unit in their country
Would you be interested in further involvement with IPNA? (as a part of the committee, IPNA ambassador, social media helper etc.)

If yes, please specify:

As a part of the committee
IPNA ambassador
Regional congress
Yes, I would like to involve in further peds nephro and require support from IPNA
I will be involved with IPNA as a member and want to contribute in social media activity. I will love to be an IPNA ambassador
I would want to be attached with IPNA in any way
As a member
<table>
<thead>
<tr>
<th>Strategy</th>
<th>Tactics</th>
<th>Responsibility</th>
<th>Time Frame</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improve quality of educational and teaching programs.</td>
<td>Have standardized application forms online for programs, applicants, etc.</td>
<td>IPNA Fellowship Committee</td>
<td>By July, 2019</td>
<td>Standardized application forms and reports to inform the value of the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>educational and teaching programs and progress after completion of</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>same</td>
</tr>
<tr>
<td></td>
<td>Have a standardized progress report for programs and fellows</td>
<td>IPNA Fellowship Committee</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Create process and forms for fellows to complete and submit</td>
<td>Trainees with review by Fellowship Committee</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>Seek philanthropic support for expanding IPNA training programs to</td>
<td>IPNA leadership</td>
<td></td>
<td>Ongoing</td>
<td>Expand IPNA training programs by 25% in each 2-year period using</td>
</tr>
<tr>
<td>increase the number of programs in underserved areas, the number of</td>
<td></td>
<td></td>
<td></td>
<td>philanthropic funding</td>
</tr>
<tr>
<td>fellows, and provide training infrastructure to the training programs in</td>
<td></td>
<td></td>
<td></td>
<td>Ensure active participation of Regional and National Societies</td>
</tr>
<tr>
<td>underserved areas</td>
<td></td>
<td></td>
<td></td>
<td>through updated processes</td>
</tr>
<tr>
<td>Define process to add the participation of Regional Societies in the</td>
<td>IPNA Fellowship committee with input from Regional Societies</td>
<td>October, 2019 (Venice Congress)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strategy</td>
<td>Tactics</td>
<td>Responsibility</td>
<td>Time Frame</td>
<td>Metric</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------------------</td>
<td>------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>Improve quality of educational and teaching programs.</td>
<td>Define process to withdraw IPNA training centers license after 5 years without Fellows</td>
<td>IPNA Fellowship committee</td>
<td>October, 2019 (Venice Congress)</td>
<td>Consistent attendance of Juniors at Master Classes</td>
</tr>
<tr>
<td></td>
<td>Define process that would allow IPNA to map the need for fellows at the country level ensuring clarity of the number of PNS and need for fellows by country</td>
<td>IPNA Fellowship committee with input from Regional and National Societies</td>
<td>By July, 2020</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Create a web-course for fellows on basis of clinical research – epidemiology, statistics, academic writing, presenting and publishing scientific studies</td>
<td>IPNA leadership</td>
<td>By January, 2020</td>
<td></td>
</tr>
</tbody>
</table>
IPNA Fellowship Program – U$ 2,230,000 invested since 2003

- 275 fellows benefitted
- 54 countries of origin
- 40 training centers (12 in Europe, 11 in Africa, 9 in Asia, 4 in Latin America and 4 in North America)

Figure – Origin of IPNA fellows – 2003/2019

Thank you!