

AAPM 2022
JULY 10–14 | WASHINGTON, DC
64TH ANNUAL MEETING & EXHIBITION



CELEBRATING MEDICAL PHYSICS
TRANSFORMING HUMAN HEALTH

Medical Physics Education, Training and Professional Development in Latin America

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PUCRS

- Strategic action of the AAPM **International Council**.
- **Vision** – To have a sustainable, measurable, and meaningful impact on global health as it relates to the practice of medical physics, the international medical physics communities, and medical disciplines associated with medical physics (e.g., radiology, nuclear medicine, and radiation oncology).
- **Goal** - To identify and develop strategies for advancing the practice of medical physics globally, recognize global disparities in healthcare, and develop mitigation strategies in collaboration with other stakeholders.

- IC has **six categorical committees**:
 - Global Medical Physics Education and Training Committee
 - Global Need Assessment Committee
 - Global Liaisons Committee
 - Global Research and Scientific Innovation Committee
 - Global Data and Information Exchange Committee
 - Global Clinical Education and Training Committee

- **Short Term Goals:**

- Establish effective communication between IC committees and other AAPM councils
- Improve the communication of IC roles and actions to AAPM members and the external public
- Identify organizations/NGOs/institutions/stakeholders in global health education/training in medical physics
- **Promote international education/training/research activities in medical physics connecting AAPM members with global healthcare projects/activities**
- Establish operational procedures (forms, responsibilities, stakeholders, metrics) for different requests to the IC
- Align IC actions with the AAPM strategic plan

- The main objectives of the symposium are:
 - To **stimulate the interaction** between medical physicists working in hospitals, clinics, research and education institutions and companies from different Latin American countries related to radiation therapy, imaging, and radiation protection;
 - To **bring together** medical physics and health professionals from the Latin American region and across the globe;
 - To learn about the **range of opportunities** for medical physicists, including students and residents, to work together in global health;
 - To present and discuss **medical physics training models** across countries and how models could be harmonized.

LA Symposium

Time	Title	Speaker	Country
1:00-1:10	Warm-up and welcome	Ana M Marques da Silva	Brazil
1:10-1:30	Medical physics education, research, and professional development in Brazil	Juliana Pavoni	Brazil
1:30-1:50	Needs and opportunities for Medical Physics in a small Latin American country	Gabriel A. González-Sprinberg	Uruguay
1:50-2:10	Current situation of medical physics and its establishment in practice as a health professional	Milton Ixquiac	Guatemala
2:10-2:30	Mentoring, volunteering and partnering in Medical Physics	Yakov Pipman	USA
2:30-2:45	Interval		
2:45-3:00	Young Investigator – Direct Dose Measurements in Two Computed Tomography Scanners Comparing Single-Energy and Dual-Energy Scans	Nathalie Correa	Bolívia
3:00-3:15	Global Needs Assessment Survey	Izabella Barreto	USA
3:15-4:00	Latin American Needs and Collaborations in Medical Physics - Brainstorming and Discussion	Ana M Marques da Silva (Moderator)	Brazil