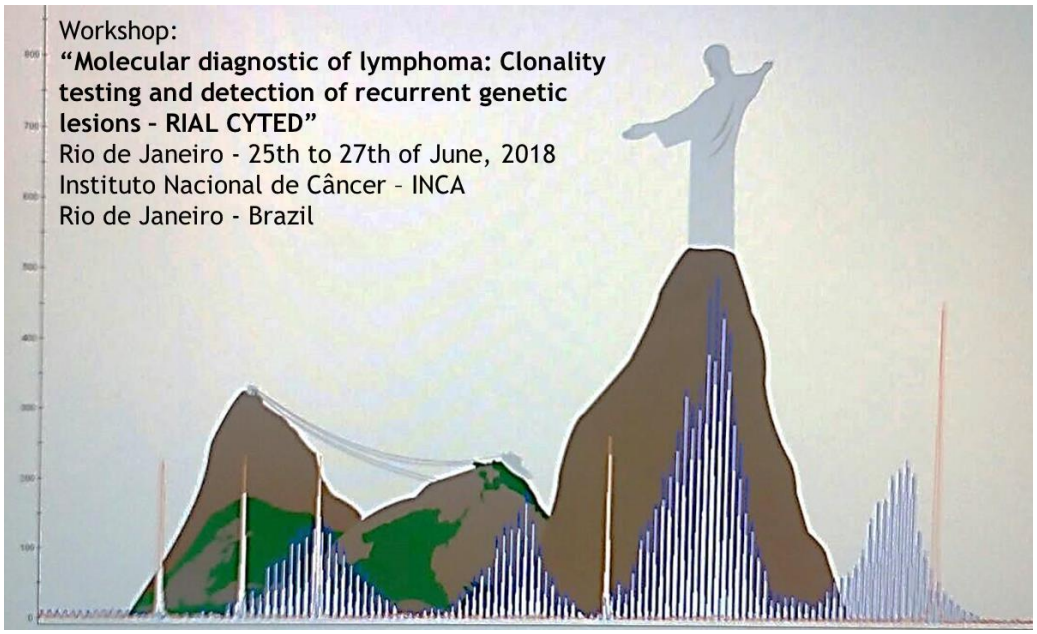


Aims

To develop the fundamentals of B and T-cell clonality studies, their optimization as diagnostic methodologies, their main applications and their problems and limitations. We intend a close interaction between molecular biologists and hematopathologists, based on the integrated study of groups of pathologies and clinical cases. We also will address the challenges of NGS technology in IG/TR gene analysis.

Venue

Instituto Nacional do Câncer (INCA)
Praça Cruz Vermelha 23, 6th floor
Rio de Janeiro – Brazil

Participation

The Workshop will encompass theoretical and practical activities. Lectures are free for the public. Practical activities limited to 12 participants.

Contact:

Laboratório de Oncovirologia
Praça Cruz Vermelha 23, 6º andar
CEP 20230-130 - Rio de Janeiro
Phone: +55 21 3207-1183
E-mail: workshop.clonality@gmail.com

Organization

Dr. Rocio Hassan - Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil
Dr. Rodrigo T. Calado – Departamento de Medicina Interna. Faculdade De Medicina De Ribeirão Preto, Universidade de São Paulo.

On behalf of the **Red-iberoamericana para el desarrollo de una plataforma para el estudio de los linfomas (RIAL-CYTED)**

Faculty
Dr. Rocio Hassan
Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil

Dr. Socorro Rodriguez-Pinilla (A confirmar)
Pathology Service, Fundación Jiménez Díaz, Spain

Dr. Ezequiel M. Fuentes Pananá
Unidad de Investigación en Virología y Cáncer; Hospital Infantil de México Federico Gómez, México

Dr. Luciana Wernersbach Pinto
Divisão Integrada de Patologia (DIPAT), INCA, Rio de Janeiro, Brazil

Dr. Elaine Sobral da Costa
Instituto de Pediatria e Puericultura Martagão Gesteira (IPPMG), and
Programa de Pós-graduação em Clínica Médica, Faculdade de Medicina- Universidade Federal do Rio de Janeiro, (UFRJ), Rio de Janeiro, Brazil.

Dr. Paulo Vidal Campregher
Departamentos de Hematologia e Patologia Clínica, e Centro de Pesquisa Experimental, Hospital Israelita Albert Einstein; Departamento de Hematologia, Universidade Estadual de Campinas (Hemocentro-Unicamp), São Paulo, Brazil.

Dr. Rodolfo Patussi Correia
Hospital Israelita Albert Einstein, São Paulo, Brazil

Practical teaching staff
Dr. Vanessa Emmel
Dr. Rocio Hassan
MSc Paula Alves

Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil

Program and timetable

25/06/2018 (Day 1)

8.30-9.00: Registration

9.00-9.10: Welcome and opening.
Dr. María Victoria Preciado

Instituto Multidisciplinario de Investigaciones en Patologías Pediátricas (IMIPP) CONICET-Hospital de Niños R. GUTIÉRREZ (IMIPP-HNRG). RIAL/CYTED

9.10-9.20: Workshop presentation
Dr. Rocio Hassan
Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil

9.20-10.20: General talk: New developments in the pathology of malignant lymphoma.

10.20-10.50: Coffee break

10.50-11.50: B- cell ontogeny, immunoglobulin genes and the origin of B-cell malignancies.
Dr. Ezequiel M. Fuentes Pananá
Unidad de Investigación en Virología y Cáncer; Hospital Infantil de México Federico Gómez, México

11.50 -12.50: Immunoglobulin and TCR gene rearrangements and their usage in clonality testing.
Dr. Rocio Hassan (INCA, Brazil)

12.50 – 13.00: Questions

13.00-14.30: Lunch

Practical session

Vanessa Emmel, Paula Alves and Rocio Hassan
Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil

14.30-15.15: Discussion of general lab and Biomed-2 protocols.

15.15-16.15: Setting PCR assays for B- and T-cell clonality testing.

16.15-15.45: Coffee break

16.45-18.30: Heteroduplex PAGE analysis. Differentiating poly, oligo and monoclonal patterns.

26/06/2018 (Day 2)

9.00-9.40: Integrating clonality assessment and pathology in the diagnosis of lymphoproliferations. Experience of the Instituto Nacional de Câncer, RJ, Brazil.
Dr. Luciana Wernersbach Pinto
Divisão Integrada de Patologia (DIPAT), INCA, Rio de Janeiro, Brazil
9.40 -10.20: Clonality analysis in T-cell malignancies.
Dr. Socorro Rodriguez-Pinilla
Pathology Service, Fundación Jiménez Díaz, Spain

10.20 – 10.50: Assessing T-cell clonality using flow cytometry. Principles and clinical applications.
Dr. Elaine Sobral da Costa

Programa de Pós-graduação em Clínica Médica, Faculdade de Medicina- Universidade Federal do Rio de Janeiro, (UFRJ), Rio de Janeiro, Brazil.

10.50-11.00: Questions

11.00-11-30 Coffee break.

11.30-13.00: Clonality assessment: integrated view pathology – molecular biology. Discussion cases.
Rocio Hassan and Luciana Wernersbach Pinto
INCA, Rio de Janeiro, Brazil
Four cases will be presented and discussed by delegates of RIAL-CYTED country members.

13.00-14.30: Lunch.

Practical session

Vanessa Emmel, Paula Alves and Rocio Hassan
Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil

14.30-16.00: Analysis of IGH, TCRγ and TCRβ rearrangements by capillary gel electrophoresis (GeneScan).

16.00-16.30: Coffee break

16.30-18.30: Differentiating poly, oligo and monoclonal patterns in fragment analysis. Difficulties and pitfalls in clonality testing of B- and T- cell malignancies.

19.00 Welcome activity

27/06/2018 (Day 3)

9.00 -10.00: General talk: High-Throughput immunogenetics for clinical and research applications in Oncohematology.
Dr. Socorro Rodríguez-Pinilla
Pathology Service, Fundación Jiménez Díaz, Spain

10.00-10.30: Practical approaches for BCR and TCR sequencing analysis for repertoire and clonality studies.
Paula Alves
Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil

10.30-10.40: Questions

10.30-11.00. Coffee break

11.00-11.40: Clinical Applications for Next-Generation Sequencing in lymphoid malignancies
Paulo Vidal Campregher
Hospital Israelita Albert Einstein, São Paulo, Brazil; Universidade Estadual de Campinas (Hemocentro-Unicamp), Campinas, São Paulo, Brazil.

11.40-12.20: High-throughput VDJ sequencing for quantification of minimal residual disease in B-cell acute lymphoblastic leukemia.
Rodolfo Patussi Correia
Hospital Israelita Albert Einstein, São Paulo, Brazil

12.20- 12.30: Questions

12.30-14.00: Lunch

Practical session

Vanessa Emmel, Paula Alves and Rocio Hassan
Laboratório de Oncovirologia, INCA , Rio de Janeiro, Brazil

14.00-16.00: Role of TCRβ, TCRδ and IGK as targets for clonality studies.

16.00-16.30: Coffee break

16.30-18.30: BCL2-JH and BCL1-JH testing.

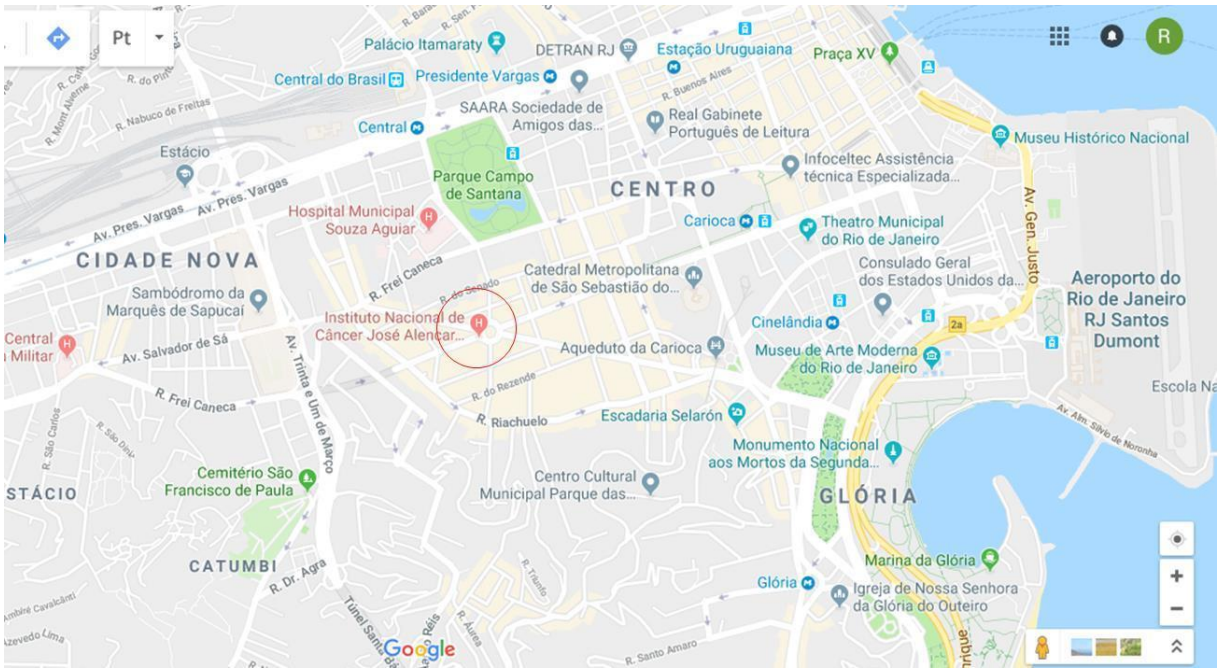
18.30-18.45: Closing remarks and farewell. Dr. R. Hassan

Day 4 (optional)
14.00-16.00: Lab doubts. Evaluation.

INCA
http://www2.inca.gov.br/wps/wcm/connect/inca/portal/home

The Brazilian National Cancer Institute José Alencar Gomes da Silva is the assisting body of the Ministry of Health for the development and coordination of integrated actions for cancer prevention and control in Brazil. These actions include: prevention, early detection and surveillance, free medical and hospital assistance, education, research and generation of epidemiological research.

The Hospital I of INCA is located in a central neighborhood of the beautiful Rio de Janeiro city. You can reach it by public bus or taxi services.



The day temperature in June averages 22-24°C, technically making it one of the coldest months in Rio de Janeiro. The temperature drops to an average of 19°C overnight, but climbs to a very pleasant average high of 25°C in the afternoon. The sea temperature remains quite constant throughout the year and averages 23°C in June—perfect for a refreshing splash in the Atlantic Ocean in one of our fantastic beaches. Keep on track of the forecast for June 2018 here:
https://www.accuweather.com/en/br/rio-de-janeiro/45449/june-weather/45449?monyr=6/1/2018