

## International Diploma in Molecular Biology Applied to Clinical Oncology (Third edition)

### Background

The main objective of the International Diploma in Molecular Biology Applied to Clinical Oncology is to provide an excellence international educational program with high academic and professional European experts in the different oncological areas for the diagnosis and treatment of cancer-based on molecular biology. Link: [www.internationaloncologydiploma.com](http://www.internationaloncologydiploma.com)

### Academic Endorsement

The present program has the following endorsements:

- GIGA Cancer Center Institute. Liege University (Link: [http://www.giga.uliege.be/cms/j\\_6/fr/accueil-internet](http://www.giga.uliege.be/cms/j_6/fr/accueil-internet))
- University Hospital Center of Liège (Link: [http://www.chu.ulg.ac.be/jcms/r\\_127200/fr/internet-accueil](http://www.chu.ulg.ac.be/jcms/r_127200/fr/internet-accueil))
- Belgian Society of Medical Oncology (Link: [www.bsma.be](http://www.bsma.be))
- Luxembourg Society of Oncology (Link: <https://www.slo.lu/>)

Latin America Endorsement and Diffusion:

- Brazilian Society of Clinical Oncology (Link: <https://www.sboc.org.br/>)
- ACHO- Colombia (Link: <http://www.acho.com.co/>)
- Colegio Mexicano de Oncología Médica (Link: <http://www.cmom.org.mx/>)
- GECO Peru (Link: <http://www.gecoperu.pe/>)
- Asociación Argentina de Oncología Clínica (Link: <http://aaoc.org.ar/>)
- Proyecto CURA – LACOG (Link: <http://www.projetocura.org>)

**Program Duration:** 6 months (April to October 2020)

**Academic Hours:** 200 hours

**Modality:** In class sessions (25 and 26 of April, 2020 – Lima, Perú and 3 and 4 of October, 2020 in Mexico, Mexico City) and on-line

**Program Language:** English and Spanish

**Mobile App:** Molecular Oncology

### Cost

**Inscription:** 2,500 USD (includes program access with educational materials, educational platform, mobile App and in class sessions with coffee breaks and buffet lunches).

Members of endorsement organizations will have a 10% discount of the total inscription.





# MOLECULAR BIOLOGY

Applied to Clinical Oncology

Program coordination can arrange hotel reservations with cooperation programs for hotels of 3, 4 and 5 stars including the conference hotel.

**Note:** hotels and flight tickets are not included in the inscription fee.

Inscription payment can be implemented by credit card (PayPal- online website) or wire transfer.

Contact information for inscriptions and payments:

[coordination@internationaloncologydiploma.com](mailto:coordination@internationaloncologydiploma.com)

## Payment

After submitting the online inscription form you will receive a confirmation letter with payment instructions, by e-mail.

Participants are always responsible for the payment of the tuition fee, even if the employer or an organization will pay the tuition fee. Participants are requested to forward the invoice to our financial department and to make sure the tuition fee is paid before the deadline.

## Cancellation Policy

If you have registered but are unable to attend, a substitute delegate is welcome at no extra charge. Please, inform the program coordination in advance by E-mail.

- Cancellations must be sent by E-mail to the program coordination.
- A cancellation/administration fee of 300 USD will be charged in all cases of cancellation before March 1<sup>st</sup>, 2020.
- In case of cancellation after March 1<sup>st</sup>, 2020 no refund will be possible, and the full amount will remain due.

## Fellowships

Each year, the program provides an invaluable opportunity to participate in the International Diploma.

Each Fellowship is a stimulating challenge for talented young oncologists or in related areas who seek leading careers in oncology areas in public institutions.

Fellowships cover tuition fee and accommodation in Lima-Peru and Mexico City-Mexico. All additional costs – travel expenses, subsistence, etc. – are at the participants' expense.





# MOLECULAR BIOLOGY

Applied to Clinical Oncology

Applicants who meet each of the following requirements will be considered for a complete or partial Fellowship:

- You have not attended the program in the past.
- You are currently working in public institutions in oncology area.
- Limited economic resources to cover the inscription fees.

If you are interested in registering for the fellowship program, please make sure you read the [Participant Profile](#) to ensure you are eligible for the fellowship.

To submit your fellowship application, you need to send each of the following documents to [coordination@internationaloncologydiploma.com](mailto:coordination@internationaloncologydiploma.com) :

1. A letter of motivation (max. 400 words!), with a focus on academic excellence and ambitions to pursue a successful oncology areas career. Why should we choose you? Also make sure that you explain why you have a particular interest in molecular oncology area and the reasons for a fellowship application?
2. A curriculum vitae, including:
  - A list of educational institutes attended + corresponding dates
  - Degree(s) obtained or expected to obtain
  - Work experience + corresponding dates of employment for each position held
  - Research experience + a complete list of publications
3. A copy of diplomas with stamps and/or certification from the institute concerned
4. Two recent letters of recommendation
5. A copy of your passport

Please note that we only accept and assess complete application packages

**Application Deadline:** 1 of February 2020. You will be informed about the outcome of the selection procedure by the end of February the latest.

## Project Coordination

**Europe Coordination:** Guy Jerusalem MD., PhD

**Latin America Coordination:** María del Carmen Cabezas MD., PhD

**App-Mobile Application:** Molecular Oncology



## Europe Coordinator



Guy Jerusalem MD., PhD is head of medical oncology, director of the breast clinic and research coordinator in the area of medical oncology at University Hospital Center (CHU) in Liège, Belgium. Professor of medical oncology at University of Liège (ULg). Principal investigator in the International Breast Cancer Study Group (IBCSG), the Breast Group of the European Organization for Cancer Research and Treatment (EORTC) and the Breast Cancer International Research Group (BCIRG). Steering committee of several international clinical studies including CONFIRM, SOLE, Bolero 3, Aphinity, SNAP, Bolero 6 and Monaleesa 3. Co-author of 8 book chapters and author of articles published extensively in international journals such as Lancet Oncology, Journal of Clinical Oncology, Blood, The Oncology, Hematology, Annals of Oncology, Clinical Cancer Research, Cancer Treatment Reviews, Breast Cancer, Journal of the National Cancer Institute, European Journal of Cancer, among others.

## Latin America Coordinator



María del Carmen Cabezas MD., PhD, did her specialty studies and PhD at the University of Liège-Belgium (ULg), with a training in Epidemiology at the Erasmus University (Rotterdam-The Netherlands), and Problem Based Learning at Maastricht University, is General Manager of Health & Research Services, main professor in the Faculty of Medicine of the Pontifical Catholic University of Ecuador. At the publication level, she is board member of Science Direct Group and the International Journal of HIV/AIDS Prevention, peer reviewer of several international journals with a high impact factor such as AIDS & Behavior, Peer J, among others. Researcher and Coordinator of clinical studies of phase I-IV, epidemiological, pharma-economic and public health researchs. She has several publications in international journals as main author and co-author in epidemiology, public health, and pharma-economic topics. Her main interest is the development of international education programs with European and Canadian organizations in support of the education system in Latin America.



# MOLECULAR BIOLOGY

Applied to Clinical Oncology

## Program Modality:

In class sessions, with established academic meetings (Saturday and Sunday) on the dates specified in the program and on-line. The training of the participants is complemented by online education tools on the ZOOM visual platform. All participants will have total access to the training through videos, teleconferences and educational materials.

The virtual program will be available on-line ([www.internationaloncologydiploma.com](http://www.internationaloncologydiploma.com)) and by mobile app (Molecular Oncology), to assure a complete program access.

## Faculty

- Adelin Albert M.Sc., PhD. Professor Emeritus at Liege University (ULg). Professor at the Erasmus Summer Course (ESP) program, Netherlands Institute for Health Sciences (NIHES), University of Rotterdam, Netherlands.
- Guy Berchem MD., PhD. Medical oncologist at the Hospital Center of Luxembourg (CHL), head of the research laboratory Experimental Hemato-Oncology Laboratory (LHCE) at the Public Health Research Center (CRP-Santé) in Luxembourg, president of the National Cancer Institute (INC) and Past president of the Luxembourg Oncology Society (SLO).
- Vincent Bours MD., PhD. Head of the center for human genetics at the University Hospital Center (CHU) of Liège and professor at University of Liège (ULg).
- Pierre Close M.Sc., PhD. Principal Investigator of FNRS, head of the Laboratory of Cancer Signaling at GIGA Institute and professor at ULg.
- Joelle Collignon MD. Researcher and head of clinics at CHU of Liège.
- Jacques De Grève MD., PhD. Emeritus Head of medical oncology and Emeritus Head of Laboratory of Molecular Oncology at the Free University of Brussels (ULB), Past president of the Belgian Society of Medical Oncology (BSMO). President of the Belgian Working party for the Development of National Cancer Guidelines. Emeritus Professor of medical oncology at ULB.
- Pierre Frères MD. PhD. Medical Oncologist, and Researcher at CHU of Liège.
- Rodrigo Dienstmann, MD PhD Leader in the Molecular Prescreening Program for Precision Medicine, Vall d'Hebron Institute of Oncology, Spain and principal investigator, Oncology data Science Group, Vall d'Hebron Institute of Oncology, Spain.
- Piet Dirix MD., PhD. Associate Professor at University of Antwerp (Belgium) from August 2014, Associate Professor at KU Leuven (Belgium) from August 2013 and staff member at Iridium Cancer Network (Antwerp, Belgium) from May 2014.
- Christine Gennigens MD. Head of clinics at CHU of Liège and member of the medical council at CHU of Liège.
- Michael Herfs BSc., MSc., PhD. He holds a PhD in biomedical and pharmaceutical sciences. Scientific collaborator in Telcelife, FNRS of Belgium and ULg.
- Guy Jerusalem MD., PhD. Head of Medical Oncology at CHU of Liège, professor at ULg and local principal investigator for the International Breast Cancer Study Group (IBCSG), the Breast Group of the European Organization for Cancer Research and Treatment (EORTC) and the Breast Cancer International Research Group (BCIRG).
- Laurence Lousberg MD. Head of Clinic, Department of Medical Oncology CHU of Liege. Experience in trial research phases I-III. Her therapeutic area is in solid tumors and breast cancer.





# MOLECULAR BIOLOGY

Applied to Clinical Oncology

- Olivier Malaise MD., Ph.D. Has a Master in Rheumatology, a PhD in osteoarthritic area a Post-doctoral researcher at the Institute of Regenerative medicine and biotherapies in Montpellier, France. Staff of the rheumatology service at CHU of Liege in Belgium.
- Agnès Noel MSc., PhD. Director of the research center GIGA- cancer. President of the thematic graduate school in experimental cancerology of FNRS of Belgium. Professor and president of the council of research and valorization in health sciences at ULg.
- Elisa Onesti MD. Head of Clinic, Medical Oncology at CHU of Liège, PhD student at ULg (GIGA research center, laboratory of human genetic).
- Stefan Rauh MD. Medical oncologist/ hematologist and president of the cancer platform at Hospital Center Emile Mayrisch, Differdange and Esch (CHEM) Luxembourg. He was part of the executive board of the European Society of Medical Oncology (ESMO), President of Luxembourg Society of Oncology (SLO). Professor at the faculty of medicine at the University of Luxembourg.
- Brieuc Sautois MD., PhD. Head and professor of Clinics in the department of medical oncology at CHU of Liège, board of the oncology certification- Belgium.
- Michiel Hendrik Strijbos MD, PhD. Consultant Medical Oncologist AZ Klina, Brasschaat, Belgium, Consultant Medical Oncologist AZ Sint-Augustinus, Wilrijk, Belgium, Faculty European School of Oncology.
- Martin Angel MD., Oncologist at Instituto Alexander Fleming in Buenos Aires Argentina.

## Short Curriculum Vitae of Program Professors

### Adelin Albert M.Sc., PhD



Prominent Belgian professor. He retired as an Emeritus Professor in 2013 but he is still involved in teaching and consultancy activities for universities and hospitals. His research interests include multivariate logistic regression, survival analysis, clinical decision-making, quality control and epidemiology. He acquired a wide experience in the development and application of statistical methods in medicine and biomedical sciences. Author or co-author of over 600 international scientific articles in the field of biostatistics and medical computing in prestigious journals.





## Guy Berchem MD., PhD



Founder and head of Experimental Cancer Research Laboratory at Health Institute of Luxembourg (LIH). Past president of the Luxembourg Society of Medical Oncology and holds a clinical position leading the oncology platform at Hospital Medical Center of Oncology in Luxembourg. He has more than 70 international scientific publications as author and co-author.

## Vincent Bours MD., PhD



Head of the department of human genetics at the University Hospital Center (CHU) of Liège. Professor of genetics at University of Liège (ULg). Patent: Circulating microRNAs for diagnosis of breast cancer. He has more than 220 international publications in high impact factor journals.

## Pierre Close M.Sc., PhD



Principal Investigator of National Fund for Scientific Research (FNRS), head of the Laboratory of Cancer Signaling Group of Applied Genoproteomics (GIGA) and professor of the University of Liège (ULg). He has had a great interest in new mechanisms promoting tumor adaptation to identify novel therapeutic strategies in the treatment of invasive or resistant human cancers. Author and co-author of many international scientific publications in high impact factor journals such as: Nature, Cell, Oncogene, Journal of Biological Chemistry among others.

## Joelle Collignon MD



Head of clinics at University Hospital Center (CHU) of Liège. Researcher in clinical studies phase I-IV. She has high experience in solid and gastrointestinal tumors. She has more than 56 scientific publications as author and co-author.

## Rodrigo Dienstmann, MD PhD



Currently, he is collaborating in Computational Oncology, Sage Bionetworks, Fred Hutchinson Cancer Center, Seattle, USA; Leader in the Molecular Pre-screening Program for Precision Medicine, Vall d'Hebron Institute of Oncology, Spain and principal investigator of several clinical trials. Author and co-author of more than 50 international publications in prestigious journals. Associate Editor in the Journal of Clinical Oncology Precision Oncology and Daily Reports of European Society for Medical Oncology (ESMO) Congress and inviter peer reviewer of prestigious journals such as Jama Oncology, Plos One, Annals of Oncology among others.

## Piet Dirix MD., PhD



Associate Professor at University of Antwerp (Belgium) from August 2014, Associate Professor at KU Leuven (Belgium) from August 2013 and staff member at Iridium Cancer Network (Antwerp, Belgium) from May 2014. He obtained his PhD in medical sciences (KU Leuven, Belgium) and a specialist in radiation oncology (KU Leuven, Belgium). Professor in international ESTRO courses. Editorial board member: Belgian Journal of Medical Oncology (BJMO) and World Journal of Radiology (WJR). Author and co-author of several publications in prestigious journals.





## MOLECULAR BIOLOGY

Applied to Clinical Oncology

### Jacques De Grève MD., PhD



Emeritus head of medical oncology and head of the laboratory of molecular oncology and medical oncology department at the Hospital of Free University of Brussels (ULB). Past chairman of the Belgian Society of Medical Oncology (BSMO), editor in chief of the Belgian journal of medical oncology, chairman of the Belgian working party for the development of national cancer guidelines. He is emeritus professor of medical oncology and emeritus coordinator of the course “Molecular targets in Cancer” at the ULB as well as coordinator of a national interuniversity postgraduate course in medical oncology. He has a special interest in genomic-driven translational therapeutic studies. He has 150 international scientific publications in high impact factor journals.

### Pierre Frères MD., PhD



Physician of clinical oncology at University Hospital Center (CHU) of Liège. Has a PhD in the “Role of circulating microRNA in breast cancer” at the research center Interdisciplinary Cluster in Applied Genoproteomics (GIGA) cancer, human genetics of University of Liège (ULg). He has 21 international publications in oncology as author and co-author.

### Christine Gennigens MD



Head of clinics at University Hospital Center (CHU) of Liège, and researcher of clinical trials. She is currently involved in the daily clinical management of patients with solid tumors, focusing particularly on genitourinary, gynecological, sarcoma and rare tumors. She has more than 30 scientific publications as author and co-author.





## MOLECULAR BIOLOGY

Applied to Clinical Oncology

### Michäel Herfs M.Sc., PhD



PhD in biomedical and pharmaceutical sciences. Scientific collaborator in Telelife, Belgian National Fund for Scientific Research (FNRS), University of Liège (ULg). He completed his post-doctorate in the laboratory of Professor Christopher Crum at Harvard University (Brigham and Women's Hospital, Boston). Since 2006, his interest has focused on microenvironment/origin and HPV tumors. He has more than 40 international publications in high impact factor journals.

### Guy Jerusalem MD., PhD



Head of medical oncology, director of the breast clinic and research coordinator in the area of medical oncology at University Hospital Center (CHU) in Liège, Belgium. Professor of medical oncology at University of Liège (ULg). Principal investigator in the International Breast Cancer Study Group (IBCSG), the Breast Group of the European Organization for Cancer Research and Treatment (EORTC) and the Breast Cancer International Research Group (BCIRG). Steering committee of several international clinical studies including CONFIRM, SOLE, Bolero 3, Aphinity, SNAP, Bolero 6 and Monaleesa 3. Co-author of 8 book chapters and author of articles published extensively in international journals such as Lancet Oncology, Journal of Clinical Oncology, Blood, The Oncology, Hematology, Annals of Oncology, Clinical, Cancer Research, Cancer Treatment Reviews, Breast Cancer, Journal of the National Cancer Institute, European Journal of Cancer among others.





## MOLECULAR BIOLOGY

Applied to Clinical Oncology

### Laurence Lousberg MD



Head of Clinic, Department of Medical Oncology CHU of Liege. Experience in trial research phases 1-3. Her therapeutic area is in solid tumors and breast cancer. Author and coauthor of oncology publications.

### Olivier Malaise MD., Ph.D



Has a Master in Rheumatology, a PhD in osteoarthritic area a Post-doctoral at the Institute of Regenerative medicine and biotherapies in Montpellier, France. He is member of the task force “immuno-rheumatology” of the Belgian Society of Rheumatology and Member of the task force “osteoporosis and bone disease” of the Belgian Society of Rheumatology. His scientific interest and current research area are the articular involvement of anti-cancer treatments, especially immunotherapies. Author and co-author of several publications in prestigious journals.

### Agnès Noël M.Sc., PhD



Recognized Belgian researcher. Director of the research center Interdisciplinary Cluster in Applied Genoproteomics (GIGA)-cancer. President of the thematic graduate school in experimental cancerology of the National Fund for Research (FNRS) of Belgium. Professor of molecular cell biology and molecular oncology and president of the council of research and valorization in health sciences at the University of Liege (ULg). Author and co-author of more than 160 international scientific articles.





## Elisa Onesti Concetta MD., PhD ( c )



Currently works as an oncologist at medical oncology department University Hospital Center (CHU) of Liège, Belgium. She is PhD student at the research center Interdisciplinary Cluster in Applied Genoproteomics (GIGA) Research Center, Human Genetics Laboratory, University of Liège (ULg). She has carried out preclinical research at the "Institute of Cancerology Gustave Roussy", Unit INSERM U981, Villejuif, France. She has more than 40 international scientific publications, abstracts and posters as author and co-author.

## Stefan Rauh MD



Medical oncologist/hematologist and president of the cancer platform in Emile Mayrisch Hospital Center, Differdange and Esch (CHEM) in Luxembourg. Past chairman of the ESMO Practicing Oncologist's group since 2015 and he was ESMO executive board member (2015-2016). President of the Luxembourg Oncology Society (SLO). Professor at the faculty of medicine of the University of Luxembourg. He has participated in several clinical trials and is a co-author of the European Union Survival Guide for patients with cancer (ECPC) 2017.

## Brieuc Sautois MD., PhD



Head and professor of clinics at the department of oncology University Hospital Center (CHU) of Liège, researcher of clinical trials of phase I-III. He is currently involved in the daily clinical management of patients with solid tumors with interest in those of the urinary tract and head and neck. He has more than 40 international scientific publications as author and co-author.





## MOLECULAR BIOLOGY

Applied to Clinical Oncology

### Michiel Hendrik Strijbos MD, PhD



PhD education at Erasmus University in Rotterdam, Internships and Medical Degree at Erasmus University Rotterdam, at the Erasmus Medical Center, Daniel den Hoed Cancer Center, Rotterdam, the Netherlands. Consultant Medical Oncologist AZ Klinka, Brasschaat, Belgium, Consultant Medical Oncologist AZ Sint-Augustinus, Wilrijk, Belgium, Faculty of the European School of Oncology, Chair ESMO Practicing Oncologist Working Group, Editorial board member of ESMO Open, Editorial board member of GU malignancies, Member EORTC Genitourinary Tract Cancer Group, Member ESMO Genitourinary faculty, Editorial board member of Disease Markers, Ad hoc reviewer for British Journal of Cancer. Author and co-author of original articles in prestigious journals.

**Invited Speaker: side effects management with immunotherapy in Latin America: clinical cases**

### Martin Angel MD



Medical Oncologist Staff at Instituto Alexander Fleming in Buenos Aires -Argentina since 2014. High experience in immunotherapy in oncology area. Dr. Angel has participated in several clinical trials related to new immunotherapy drugs and he has an important knowledge in immunotherapy sides effects management in oncology patients.







## Attendance and Participation of Program - Regulations

Participants must complete a minimum of 50% in attendance for in class sessions (at least 1 meeting) and 80% in self-learning program (quizzes), online courses, module exams and tutorial activities to access the final exam. To successfully complete the program, a minimal of 80% must be achieved. Any violation of the stipulated ethic code entails the immediate withdrawal from the program.

### Module 1

Dates: April to June 2020

### Module 2

Dates: June to August 2020

### Module 3

Dates: August to October 2020

## In live sessions

Lima-Peru on 25 and 26 of April 2020

Mexico DF-Mexico on 3 and 4 of October 2020

## General Topics

| Topic  |
|--|
| From seed and soil to pre-metastatic niche concepts.                           |
| Angiogenesis and lymphangiogenesis   |
| Cancer-Associated Fibroblasts: what is new?                                    |
| Matrix metalloproteinases: turning clinical failure to innovative perspectives |
| PI3K pathway   |
| Cancer stem cells  |
| Minimal residual disease   |
| Systemic mechanism of resistance to therapy                                    |
| Molecular Classification of Gastrointestinal Malignancies                      |
| Biology of cancer: viral carcinogenesis  |
| Molecular imaging in oncology  |
| NTRK fusions: new targets for cancer therapy                                   |
| Precision medicine, clinical applications and precision initiatives            |
| Laboratory Precision Medicine  |
| Somatic mutations  |



# MOLECULAR BIOLOGY

Applied to Clinical Oncology

Continue...

| Topic  |
|--|
| Breast cancer: ER positive, HER2 neg: standard adjuvant therapy; ER positive ABC: endocrine monotherapy versus combined treatment approaches; mechanism of endocrine therapy resistance; role of CDK4-6 inhibitors, everolimus and new promising targeted agents; sides effects management. Triple negative breast cancer. Subgroups and potential targets for therapy; role of PARP inhibitors; new promising drugs; standard therapy in the adjuvant and metastatic setting. HER positive advanced breast cancer: standard therapies for HER2 positive ABC: optimal sequence and expected outcome; mechanism of resistance to therapy, new promising drugs |
| Workshop: clinical case(s) OE pos HER2 negative breast cancer (interactive group discussion)   |
| Workshops: clinical case(s) breast cancer HER2 positive or triple negative (interactive group discussion). ER positive HER2 negative breast cancer   |
| Workshop: clinical case(s) clinical management of hereditary breast cancer (interactive small group discussion)  |
| Ovarian cancer   |
| Metastatic cancer of the uterus (cervical and endometrial cancer)  |
| ALK and clinical cases of targeted therapy in NSCLC (anti-EGFR).   |
| Lung cancer: translational efforts   |
| EGFR mutated NSCLC   |
| Prostate cancer: management of oligometastatic prostate cancer; intermittent versus continuous androgen deprivation, chemotherapy (docetaxel, cabazitaxel), bone targeting agents, abiraterone, enzalutamide: optimal sequence and side effects of standard treatment options; placing DNA repair into the evolving treatment landscape  |
| Bladder cancer   |
| Renal Cancer   |
| Testicular Cancer  |
| Metastatic colon cancer  |
| Adjuvant Colon cancer  |
| Cholangiocarcinoma: standard systemic therapy and role of targeted agents.   |
| Gastric cancer   |
| Pancreatic cancer  |
| Melanoma BRAF V600 Mutations and Melanoma Wild Type  |
| Workshop: melanoma cases   |
| Hereditary cancers   |
| Hereditary cancers: different management compared to sporadic cancers?   |
| Head and neck tumors   |





# MOLECULAR BIOLOGY

Applied to Clinical Oncology

[Continue...](#)

| Topic  |
|--|
| CNS tumors: standard therapies for primary and secondary tumors, role of the blood-brain barrier |
| Neuroendocrine tumors  |
| Oligometastatic cancer: a new disease entity   |
| Radiotherapy for solid tumors: what an oncologist needs to know                                  |
| Workshop: Molecular imaging-guided metastasis directed therapy (MDT)                             |
| Carcinoma of unknown origin  |
| Cardiotoxicity   |
| Oncogeriatrics   |
| Biostatistics and oncology publications  |
| <b>Immunotherapy Topics</b>  |
| Mechanisms of resistance to immunotherapy  |
| Osteoarticular side effects of immunotherapy   |
| Immunotherapy in NSCLC   |
| Immunotherapy: Physiopathology and management of common side effects                             |
| Workshop: immunotherapy cases  |
| Side effects management with immunotherapy in Latin America: clinical cases                      |

## Virtual Platform

A personalized e-learning platform will support the access to the contents of each module with their respective evaluations and certifications. In addition, a mobile application tool will provide an interactive webinars access.

## Final Exam

Saturday 31 of October 2020 at 10a.m. (On-line)

Delivery of Global Evaluation and Confirmation of Approval: Friday 6 of November 2020. By email.

## Virtual Platform

## Graduation

November 2020 – Colonster Castle (University of Liege), Liege, Belgium (Optional participation).

Includes GIGA center visit, scientific meetings and interaction with CHU oncology service.

In case of absence to the graduation ceremony, diploma will be delivered by DHL to the participants.

