

2025

Conference
icctf



9th BIENNIAL International Cognition and Cancer Task Force Conference

FRANCE
CAEN, NORMANDY
March 05-06-07, 2025



Keynote Speakers



Judith E. Carroll, PhD
Associate Professor

Department of Psychiatry and
Biobehavioral Sciences
UCLA Health, Jonsson
Comprehensive Cancer Center
Los Angeles, CA, US



H el ene Castel, PhD
Research Director, Inserm

Cancer and Brain Genomics
Head of NeuroGlio
U1245 Inserm, IRIB
University of Rouen Normandie
Rouen, France



Christelle Dufour, MD
Head of Department of Child
and Adolescent Cancer

Gustave Roussy, Paris Saclay
University, Villejuif, France



Tim Ahles, PhD
Psychologist

Department of Psychiatry and
Biobehavioral Sciences
UCLA Health Jonsson
Comprehensive Cancer Center
Los Angeles, CA, US



<https://canceropole-nordouest.org/icctf-2025/>

<https://www.icctf.org/>



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9th BIENNIAL International Cognition and Cancer
Task Force Conference

ICCTF organizing committee

- **Jeffrey S Wefel**, PhD, Neuropsychologist, Section of Neuropsychology, Department of Neuro-Oncology, University of Texas M D Anderson Cancer Center, Houston, TX, USA
- **Sanne Schagen**, PhD, Neuropsychologist, Department of Psychosocial Research and Epidemiology, Netherlands Cancer Institute, Antoni van Leeuwenhoek Hospital, Amsterdam, Netherlands
- **Tim Ahles**, PhD, Psychologist, Department of Psychiatry and Behavioural Sciences, Memorial Sloan Kettering Cancer Center, New York, NY, USA
- **Janette Vardy**, MD PhD, Medical Oncologist, Sydney Cancer Survivorship Centre, Concord Repatriation General Hospital, University of Sydney, NSW, Australia
- **Kevin Krull**, PhD, Department of Psychology & Biobehavioral Sciences, St. Jude Children's Research Hospital, Memphis, TN, USA

Local organizing committee

- **Florence Joly**, MD PhD, Medical Oncologist, Centre François Baclesse Comprehensive Cancer Centre, ANTICIPE Inserm research unit, University of Caen Normandie, France
- **Hélène Castel**, PhD, Neuro-Oncology Scientist, Cancer and Brain Genomics Inserm research unit, University of Rouen Normandie, France
- **Véronique Pancré**, Scientific director of the Cancéropôle Nord-Ouest, Lille France
- **Sophie Broutin**, Communications manager for Cancéropôle Nord-Ouest, Lille France

Keynote Speaker Session 1

Judith E Carroll, UCLA Health, Comprehensive Cancer Center, CA, USA



Dr. Carroll is an Associate Professor of Psychiatry and Biobehavioral Science at UCLA, a faculty member of the Cousins Center for Psychoneuroimmunology and the Jonsson Comprehensive Cancer Center and leads the UCLA Aging Biology and Behavior Laboratory. She holds the George F. Solomon Endowed Professorship in Psychobiology. Dr. Carroll received her PhD in Biological and Health Psychology at the University of Pittsburgh in 2010, and completed a NRSA postdoctoral training program in Psychoneuroimmunology at UCLA before accepting her current faculty appointment at UCLA in the department of Psychiatry in 2013. Her research is focused on factors that influence biological aging, the role of cancer treatments and behavioral modifiers.

Keynote Speaker Session 2

Christelle DUFOUR, Gustave Roussy, France



Christelle Dufour is a pediatric oncologist, Head of Department of children and Adolescent Oncology at Gustave Roussy (Villejuif). Dr. Dufour received her medical degree from Reims University and obtained her MSc from Pierre et Marie Curie University.

Over the last 15 years, she has been involved in pediatric brain tumors and more specifically in embryonal brain tumors (medulloblastoma, ATRT, ETMR...). She has been the principal investigator of clinical trials dedicated to brain tumor. She is also involved in neurocognitive outcomes of children previously treated for solid tumor. She coordinates a multi-disciplinary consultation composed of experts (speech therapist, psychomotor therapist, neuropsychologist, child referral physician, school teachers) who propose, in collaboration with the school (if needed), tailored school facilities adapted to

child's difficulties or complementary assessments (speech therapist, psychomotricity) that can be supported by Gustave Roussy.

Dr Dufour is a member of SFCE, SIOP and EANO. She has contributed to over 100 peer-reviewed publications.

Keynote Speaker Session 3

Hélène Castel, Cancer and Brain Genomics; IRIB, University of Rouen Normandie, Rouen, France



Hélène Castel, PhD, is Inserm Director of Research in Neuroscience and Neuro-oncology and co-founder of the Cancer and Cognition Platform at the University of Rouen Normandie, France. She has been trained in electrophysiology basic Neurosciences at the University of Rouen and then conducted post-doctoral work with Pr. David Colquhoun (University College London) in UK. She is head of the Team Genetics, Biology and Plasticity of Brain Tumors (NeuroGlio) at the Cancer and Brain Genomics (CGB) Research Institute, IRIB, University of Rouen, France. She is an active member of the COST action Net4Brain, The french GoPa network of ANOCEF and the NorthWest Canceropole. She is specialized in brain tumors and microenvironment and non-CNS cancer and treatments such as immunotherapy on cognition/brain functions in preclinical models. She develops preclinical models of PDX tumors and cancer surgery, and investigates the role of the cancer-derived myeloid cells, exosomes and systemic markers on brain plasticity and cognitive functions. By means of glioma tumoroids and iPSC-derived cerebroids, she recently initiated programs on genetic impact of brain tumor developments and treatment neurotoxicities, as well as strategies of functional rehabilitation in preclinical models.

Keynote Speaker Session 4

Tim Ahles, PhD, Psychologist, Department of Psychiatry and Behavioural Sciences, Memorial Sloan Kettering Cancer Center, New York, NY, US



Tim Ahles, PhD is Attending / Professor in the Department of Psychiatry and Behavioral Sciences of Memorial Sloan Kettering cancer Center and has been the Director of the Neurocognitive Research Laboratory since 2006. Prior to moving to Memorial, he directed the Center for Psycho-Oncology Research at the Norris Cotton Cancer Center, Dartmouth-Hitchcock Medical Center for 14 years. Over the last 35 years, his research has focused on cognitive side effects of cancer and cancer treatments. He has conducted NCI funded studies with long-term survivors (> 10 years) of breast cancer and lymphoma, and longitudinal studies of treatment-induced cognitive change utilizing neuropsychological assessments and structural and functional MRI. His research team has also examined factors that increase risk of post-treatment cognitive decline, including age, genetic factors (APOE), cognitive reserve, and lifestyle factors (smoking). His most recent research has focused on the integration of cognitive neuroscience methods and measures into the study of cognition and cancer.

WEDNESDAY MARCH 5TH, 2025

8:00-8:50

CONFERENCE REGISTRATION – COFFEE

8:50-9:00

**INTRODUCTION AND WELCOME:
F. JOLY AND H. CASTEL**

TRIBUTE TO GORDON WINOCUR, University of Toronto by **JANETTE VARDY**, University of Sydney

9:00-10:00

Chair: Tim Alhes

KEYNOTE: JUDITH E. CARROLL, PHD

Biological aging in breast cancer survivors and the benefits of good sleep

10:00-11:30

Chair: Sanne Schagen

ORAL PRESENTATIONS: SESSION 1 - CLINIC

10:00-10:20

Maryse LUIJENDIJK, Netherlands Cancer Institute, The Netherlands

Exposure-dependent effects of tamoxifen on cognitive function in patients with breast cancer

10:20-10:40

Alexandre CHAN, University of California – Irvine, USA

Differential DNA Methylation Patterns Associated with Subjective and Objective Cognitive Function Measurements within Adolescent and Young Adult Cancer Patients: An Observational Longitudinal Study

10:40-11:00

Marie LANGE, ANTICIPE U1086 INSERM-UCN, France

Cognitive difficulties and return to work in breast cancer patients 2 years after diagnosis

11:00-11:20

Mylène DUIVON, ANTICIPE U1086 INSERM-UCN, France

Inflammation at diagnosis and cognitive impairment two years later in breast cancer patients from the Canto-Cog study

11:20-11:40

Lori J. BERNSTEIN, University Health Network, Toronto, Canada

Evaluating an ultra-brief psychoeducational approach for cognitive symptoms in cancer survivors: Quantitative and qualitative results

11:40-11:50 Discussion

11:50-13:00

LUNCH

13:00-14:00

POSTER

14:00-15:00

Chair: Kevin Krull

KEYNOTE: CHRISTELLE DUFOUR, MD

Cancer, cognition and children: the snowball effect

15:00-16:30

Chair: Kevin Krull

ORAL PRESENTATIONS: SESSION 2 - CHILDREN

15:00-15:20

Annalynn WILLIAMS, University of Rochester Medical Center, USA

Aging-Related Biomarkers and Neurocognitive Decline among Long-term Survivors of Pediatric Hodgkin Lymphoma: A Report from the St. Jude Lifetime Cohort

15:20-15:40

Jeremy WILLEKENS, Rutgers Cancer Institute, USA

Metabolomic analysis of cerebrospinal fluid collected longitudinally during treatment for childhood ALL

15:40-16:00

Sunita PATEL, City of Hope Comprehensive Cancer Center, Los Angeles, USA

Effects of Intrathecal Methotrexate Dose and Socioeconomic Factors on Neurocognitive Outcomes in Hispanic Children Treated for Acute Lymphoblastic Leukemia

16:00-16:20

Tara BRINKMAN, St. Jude Children's Research Hospital, USA

Home-based computerized cognitive training and transcranial direct current stimulation in adult survivors of pediatric leukemia with neurocognitive impairment:

16:20-16:30 Discussion

16:45-22:00

SOCIAL EVENT

BUS DEPARTURE- CAEN MEMORIAL

THURSDAY MARCH 6TH, 2025

9:00-10:00

Chair: Florence Joly

KEYNOTE: HÉLÈNE CASTEL, PHD

Cancer on Cognition: an underestimated crosstalk

Sex differences in effects of early life cancer and chemotherapy exposure on executive function and astrocyte gene expression: Towards a better understanding of cognitive deficits in childhood leukemia survival

12:10-12:20 Discussion

10:00-12:10

Chair: Florence Joly

ORAL PRESENTATIONS: SESSION 3 - PRE-CLINIC

12:20-13:20

POSTER

10:00-10:20

Casey HUDSON, University of California – Irvine, USA

Stem cell-derived extracellular vesicles-based regenerative strategy to ameliorate breast cancer chemobrain

13:20-14:30

LUNCH

10:20-10:40

Celeste NICOLA, U1245 Inserm-Cancer and Brain Genomics, Rouen, France

Brain niches initiated by immunogenic cancers promote cognitive impairment induced by immunotherapy

14:30-15:30

Chair: Jeff Wefel

KEYNOTE: TIM AHLES, PHD

Application of Complex Systems Theory to Cancer-Related Cognitive Change (CRCC) in patients with non-CNS cancers

10:40-11:00

Laura KUIL, The Netherlands Cancer Institute, The Netherlands

Pexidartinib treatment during cranial radiotherapy shows additive effects on microglial depletion

15:30-17:00

Chair: Brenna C. McDonald

ORAL PRESENTATIONS: SESSION 4 – IMAGING

11:00-11:30 BREAK

11:30-11:50

Munjal ACHARYA, University of California – Irvine, USA

BDNF augmentation via riluzole protects against breast cancer therapy-related cognitive impairments

15:30-15:50

Sahil BAJAJ, University of Texas MD Anderson Cancer Center, Houston, USA

Accelerated Brain Aging in Breast Cancer Survivors: Grey Matter Alterations Post-Chemotherapy and Their Association with Cognitive Function

11:50-12:10

Teresa REYES, University of Cincinnati, USA

15:50-16:10

Kyle NOLL, The University of Texas MD Anderson Cancer Center, Houston, USA

Influence of tractography seeding and thresholding upon relationships between surgical trauma to white matter tracts and postoperative neurocognitive outcome following resection of language-eloquent glioma

16:10-16:30

Rob COLAES, Department of Imaging and Pathology, Leuven, Belgium

Changes in the DTI-ALPS index among patients with breast cancer and its association with self-reported outcomes

16:30-16:50

Josefine Tingdal Taube DANIELSEN, Unit for Psycho-Oncology and Health Psychology, Houston, USA

Cognition and cerebral gray matter in patients with melanoma undergoing adjuvant immunotherapy

16:50-17:00 Discussion

17:00-17:15

YOUNG INVESTIGATOR AWARD

17:15-17:30

CLOSING MEETING

FRIDAY MARCH 07TH, 2025

BRAINSTORMING/SYMPOSIUM

08:00- 09:00

SESSION 1: DETECTING, RECORDING AND IMAGING TECHNOLOGIES (CHAIR: S. DEPREZ)

9:00-10:00

SESSION 2: NEW PRECLINICAL MODELS, BIOMARKERS (CHAIR: H. CASTEL)

10:00-11:00

SESSION 3: CLINICAL STUDY DESIGN AND NP TESTS (CHAIR: S. SCHAGEN)

11:00-12:00

RESTITUTION OF THE DIFFERENT SESSIONS (CHAIR: F. JOLY)

WEDNESDAY EVENING MARCH 5TH:
SOCIAL EVENT

[HTTPS://WWW.MEMORIAL-CAEN.COM/MUSEUM/](https://www.memorial-caen.com/museum/)



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