



ILC 2024 Leuven, Belgium

Monday, 23 September 2024

9.00- 10.00 am **Welcome & registration**

10.30- 12.30 am	Introduction to KU/UZ Leuven, treatment of ILC and dedicated ILC research (for patients/ patient advocates, registration needed)
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Presentations (*Campus UZ/KU Leuven Gasthuisberg, ON4, auditorium*)

- 10.30- 10.45 am Introduction to the UZ Leuven hospitals
(*Karen Van Baelen & Gitte Zels, UZ/KU Leuven*)
- 10.45- 11.05 am The journey of a patient with lobular breast cancer
(*Karen Van Baelen, UZ/KU Leuven*)
- 11.05- 11.30 am Research on lobular breast cancer in Leuven
(*Christine Desmedt, KU Leuven*)

Hospital/ lab visit (two groups)

- 11.30- 12.30 am Visit to the pathology department
(*Giuseppe Floris & Gitte Zels, UZ/KU Leuven*)
- 11.30- 12.30 am Visit to the LTBCR lab
(*Karen Van Baelen, Marion Maetens, Anirudh Pabba, François Richard & Christine Desmedt, UZ/KU Leuven*)

Lunch

1.00- 1.45 pm Lunch (*Irish College foyer*)

2.00- 6.30 pm	Interactive patient-driven session: Closing the Gap between Patient Advocates, Clinicians and Researchers (open to all- in presence and online, registration needed)
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Irish College- The Grand Auditorium

2.00- 2.10 pm **Welcome word on the need of joint patient, clinician and researcher actions to accelerate ILC research** (*Christine Desmedt, KU Leuven*)

2.10- 3.00 pm	Keynote lecture on patient-partnered research Tanja Spanic (<i>Europa Donna</i>)
3.00- 4.00 pm	Challenges for patients with lobular breast cancer Challenge #1: Evolving screening and imaging Chairs: Matthew F. Covington (<i>Huntsman Cancer Institute/ University of Utah</i>) & Laurie Hutcheson (<i>Lobular Breast Cancer Alliance</i>)
3.00- 3.20 pm	Introduction by patient advocates: Tracy Cushing (<i>Front Range ILC</i>), Jade Moran (<i>Lobular Breast Cancer Alliance</i>), Kirstin Spencer (<i>Lobular Breast Cancer Alliance & MET UP UK</i>) and Claire Turner (<i>Lobular Breast Cancer UK, ELBC Advocates</i>)
3.20- 3.35 pm	Strengths and weaknesses of different imaging methods for ILC diagnosis Christiane Kuhl (<i>Hospital of the University of Aachen</i>)
3.35- 3.50 pm	Breast cancer screening: perspectives and implications for ILC Jose Sandoval (<i>Institut Curie/ Geneva University Hospitals</i>)
3.50- 4.00 pm	Discussion
4.00- 4.15 pm	<i>Break</i>
4.15- 5.15 pm	Challenge #2: Lobular treatment plans & challenges Chairs: Jason Mouabbi (<i>MD Anderson</i>) & Lori Petitti (<i>Breast Cancer Care Research Fund</i>)
4.15- 4.35 pm	Introduction by patient advocates: Tone Lien (<i>ELBC Advocates</i>), Rian Terveer (<i>ELBC Advocates</i>), Julia Levine (<i>Lobular Breast Cancer Alliance</i>)
4.35- 4.50 pm	Locoregional management of lobular breast cancer Rita Mukhtar (<i>University of California San Francisco</i>)
4.50- 5.05 pm	Systemic treatment of lobular breast cancer Philippe Aftimos (<i>Institut Jules Bordet</i>)
5.05- 5.15 pm	Discussion
5.15- 6.15 pm	Challenge #3: Lifestyle and psychosocial impact of ILC Chairs: Esther Geven (<i>ELBC Advocates</i>) & Sara Jane MacLennan (<i>Lobular Breast Cancer UK, University of Aberdeen</i>)
5.15- 5.30 pm	Introduction by patient advocates: Myiesha Gibson, Christine McKay (<i>independent patient advocates</i>), Andrea Lener (<i>ELBC Advocates</i>)
5.30- 5.50 pm	The unique psychosocial impacts of ILC; how can we advocate for better support and treatment? Helen Coulthard (<i>Lobular Breast Cancer UK</i>)
5.50- 6.10 pm	Lifestyle and breast cancer outcomes Antonio Di Meglio (<i>Gustave Roussy</i>)
6.10- 6.15 pm	Discussion
6.15- 6.30 pm	Conclusive discussion and wrap-up Lori Petitti (<i>Breast Cancer Care Research Fund</i>) & Claire Turner (<i>Lobular Breast Cancer UK, ELBC Advocates</i>)

Tuesday, 24 September 2024

Irish College- The Grand Auditorium

- 8.00- 9.00 am** **Welcome & registration**
- 9.00- 9.15 am** **Welcome to the ILC Symposium & practical information**
Christine Desmedt (*KU Leuven*)
- 9.15- 9.45 am** **The Dynami Foundation Leigh Pate Memorial Lectureship**
Introduction to lobular breast cancer
Patrick Derksen (*UMC Utrecht*)
- 9.45- 10.45 am** **Session I- new treatment opportunities**
Chairs: Philippe Aftimos (*Institut Jules Bordet*), Jason Mouabbi (*MD Anderson Cancer Center*) & Lori Petitti (*Breast Cancer Care Research Fund*)
- 9.45-10.20 am Keynote lecture I: Identification of new targets for ILC
Chris Lord (*The Institute for Cancer Research*)
- 10.20- 10.40 am Targeting *HER2/HER3*-mutated ILC
Ron Bose (*Washington University*)
- 10.40- 11.00 am Discussion
- 11.00- 11.30 am** Break
- 11.30- 12.15 am** **Pitches posters from abstracts selected for poster presentation**
Poster presenters will have the opportunity to briefly introduce their abstract orally during a 2-minutes pitch.
Irish College- The Grand Auditorium
- 12.15- 1.00 pm** **Structured networking event**
This event is open to everyone and involves a series of one-to-one networking conversations.
Irish College- The Dining Room
- 1.00- 2.00 pm** Lunch
- 2.00-4.00 pm** **Breakout sessions- part I**
Breakout sessions will be organized as a series of lectures on the topics chosen by the respective organizing panel, a reflection by patient advocates and a general discussion open to all attendees.
- Session 1.1: Standardization of pathological diagnosis**
Irish College- Green room
Organizing panel:
Clinicians/scientists: Anne Salomon (*Institut Curie*), Stuart Schnitt (*Brigham and Womens Hospital/Dana-Farber Cancer Institute*), Fresia Pareja (*Memorial Sloan Kettering Cancer Center*), Giuseppe Floris

(UZ/KU Leuven), Lounes Djerroudi (*Institut Curie*), Gitte Zels (UZ/KU Leuven)

Patient advocates: Tone Lien (*ELBC Advocates*), Laurie Hutcheson (*Lobular Breast Cancer Alliance*), Myiesha Gibson (*independent patient advocate*)

Topics:

1. Current status and challenges regarding histological diagnosis of ILC.
2. Use and limitations of E-cadherin IHC assays.
3. The role of molecular/genetic analysis in the diagnosis and the biology of ILC.
4. The role of AI in the diagnosis and studying the biology of ILC.

Session 1.2: Imaging primary and metastatic ILC

Irish College- Conference room 3

Organizing panel:

Clinicians/scientists: Vincent Vandecaveye (*UZ Leuven*), Elleke Dresen (*UZ Leuven*), Matthew F. Covington (*Huntsman Cancer Institute University of Utah*), Christiane Kuhl (*Hospital of the University of Aachen*), Caroline Malhaire (*Institut Curie*), Jason Mouabbi (*MD Anderson Cancer Center*), Julia Foldi (*University of Pittsburgh Hillman Cancer Center*), Karen Van Baelen (*UZ/KU Leuven*)

Patient advocate: Christine Houser (*Lobular Breast Cancer Alliance*), Kirstin Spencer (*Lobular Breast Cancer Alliance* and METUP UK)

Topics:

1. Improving screening and diagnosis of the primary breast tumor.
2. Tumor response prediction in neo-adjuvant setting.
3. Imaging and tumor response prediction in metastatic setting.

Session 1.3: Dormancy: clinical challenges and experimental modeling

Irish College- Conference room 2

Organizing panel:

Clinicians/scientists: Patrick Derksen (*UMC Utrecht*), Rita Mukthar, Philippe Aftimos (*Institut Jules Bordet*), Elia Biganzoli (*University of Milan*), François Richard (*KU Leuven*)

Patient advocates: Claire Turner (*Lobular Breast Cancer UK, ELBC Advocates*), Lori Petitti (*Breast Cancer Care & Research Fund*)

Topics:

1. Understanding the biology of tumor dormancy
2. Therapeutic approaches for preventing/reducing the risk of relapse
3. Liquid biopsy and tumor dormancy

4.00- 4.30 pm

Break

4.30- 6.00 pm

Selected oral presentations from abstracts

- William Yang (*Institute for Cancer Research*):

E-cadherin/Aurora-A kinase inhibitor synthetic lethality highlights novel therapeutic vulnerabilities for targeting metastatic lobular breast cancer.

- Abdalla Wedn (*Women's Cancer Research Center, Magee Women's Research Institute, UPMC Hillman Cancer Center*): Hypomethylation and over-expression of AP2 in ILC causes increased growth due to effects on cell cycle.

- Eduardo Pena (*King's College London*): Insights into the Transcriptomic and Immune Heterogeneity of Pleomorphic Invasive Lobular Breast Cancer.

- Gitte Zels (*UZ/KU Leuven*): Clinical and histopathological characterisation of metastatic invasive lobular breast cancer: lessons learned from post-mortem tissue donation programs.

- Sana Shabbir (*University of Edinburgh*): Role of Interleukin-6 in regulating estrogen signaling and endocrine therapy resistance in Invasive Lobular Carcinoma.

- Insa Thale (*University of Edinburgh*): Characterization of a Syngeneic ER+ Mouse Model Representing Invasive Lobular Breast Carcinoma

6.00- 7.30 pm

Poster session

Irish College- The Dining Room

Poster meet up organized by Christine Hogdon (*GRASP*)

Wednesday, 25 September 2024

Irish College- The Grand Auditorium

8.30- 10.00 am

Session II- tumor microenvironment

Chairs: Val Brunton (*University of Edinburgh*), Julia Foldi (*University of Pittsburgh Hillman Cancer Center*), Claire Turner (*Lobular Breast Cancer UK, ELBC Advocates*)

8.30- 9.10 am

Keynote lecture II: Immunotherapy for ILC?

Marleen Kok (*Netherlands Cancer Institute*)

9.10- 9.30 am

Cancer Associated Fibroblasts in ILC

Fatima Mechta-Grigoriou (*Institut Curie*)

9.30- 9.50 am

Comparison of the immune infiltrates between ILC and NST

Steffi Oesterreich (*University of Pittsburgh UPMC Hillman Cancer Center*)

9.50- 10.00 am

Discussion

10.30- 11.00 am

Break

11.00-12.45 am

Breakout sessions- part II

Breakout sessions will be organized as a series of lectures on the topics chosen by the respective organizing panel, a reflection by patient advocates and a general discussion open to all attendees.

Session 2.1: Metastatic ILC

Irish College- Conference room 2

Organizing panel:

Clinicians/scientists: Christine Desmedt (*KU Leuven*), Adrian Lee (*University of Pittsburgh UPMC Hillman Cancer Center*), Amanda Fitzpatrick (*Kings College London*), Rachel Jankowitz (*University of Pennsylvania*), Jose Sandoval (*Institut Curie/ Geneva University Hospitals*)

Patient advocates: Julia Levine (*Lobular Breast Cancer Alliance*), Christine McKay (*independent patient advocate*)

Topics:

1. Liquid biopsies: state of the art and future directions.
2. Awareness and challenges regarding metastatic ILC clinical trials.
3. Can AI solve misdiagnosis and late diagnosis of metastatic ILC?

Session 2.2: Tumor Microenvironment

Irish College- Conference room 3

Organizing panel:

Clinicians/scientists: Steffi Oesterreich (*University of Pittsburgh UPMC Hillman Cancer Center*), Fatima Mehta-Grigoriou (*Institut Curie*), Valerie Brunton (*University of Edinburgh*), George Sflomos (*EPFL*)

Patient advocates: Pamela Robinson Kinnon (*Lobular Breast Cancer Australia*), Tone Lien (*ELBC Advocates*), Tracy Cushing (*Front Range ILC*)

Topics:

1. Immunotherapy: Exploring Future Possibilities (Impact of Fibroblasts, Stromal Cells, and the Lobular TME).
2. TME in older versus younger women: Breastfeeding, Pregnancy, Nulliparous Women, Adipocytes, BMI and other factors that influence the lobular TME
3. TME and preclinical/experimental lobular models.

Session 2.3: Hormonal and genetic risk factors

Irish College- Green room

Organizing panel:

Clinicians/scientists: Elinor Sawyer (*Kings College London*), Fabienne Lesueur (*Institut Curie*), Renée Flaherty (*The Institute of Cancer Research*)

Patient advocates: Rian Terveer (*Borstkankervereniging Nederland, ELBC Advocates*), Esther Geven (*ELBC Advocates*)

Topics:

1. Genetic predisposition.
2. Lifestyle risk factors with a focus on hormone replacement therapy.

12.45- 1.45 pm

Lunch

1.45- 3.30 pm	<p>Session III- Diagnosis and monitoring of ILC <i>Irish College- The Grand Auditorium</i> Chairs: Anne Salomon (<i>Institut Curie</i>), Rachel Jankowitz (<i>University of Pennsylvania</i>)</p>
1.45- 2.30 pm	Keynote lecture III: Bridging pathology and AI Fresia Pareja (<i>Memorial Sloan Kettering Cancer Center</i>)
2.30- 2.50 pm	Whole-body Diffusion Weighted MRI Elleke Dresen (<i>UZ/KU Leuven</i>)
2.50- 3.10 pm	Current and future PET modalities Matthew F. Covington (<i>Huntsman Cancer Institute/ University of Utah</i>)
3.10- 3.30 pm	Discussion
3.30- 4.00 pm	Break
4.00- 5.15 pm	<p>Presentation and multidisciplinary discussion of clinical cases <i>Irish College- The Grand Auditorium</i></p>
5.15- 6.00 pm	<p>Summary & action points from the breakout sessions <i>Irish College- The Grand Auditorium</i></p>
6.00- 6.15 pm	<p>Closure of the symposium <i>Irish College- The Grand Auditorium</i> Christine Desmedt (<i>KU Leuven</i>)</p>