

CitA BIM Gathering 2023

Jen McAuley

Interior Architect

MSc aBIMM, BSc. (Hons) Interior Design & Furniture

Gathering23
Accelerating BIM adoption

T DUBLIN
TECHNOLOGICAL
UNIVERSITY DUBLIN
OLLSCOIL TEICNEOLAÍOCHTA
BHÁILE ÁTHA CLIATH

TOT ARCHITECTS

CitA



Jen McAuley

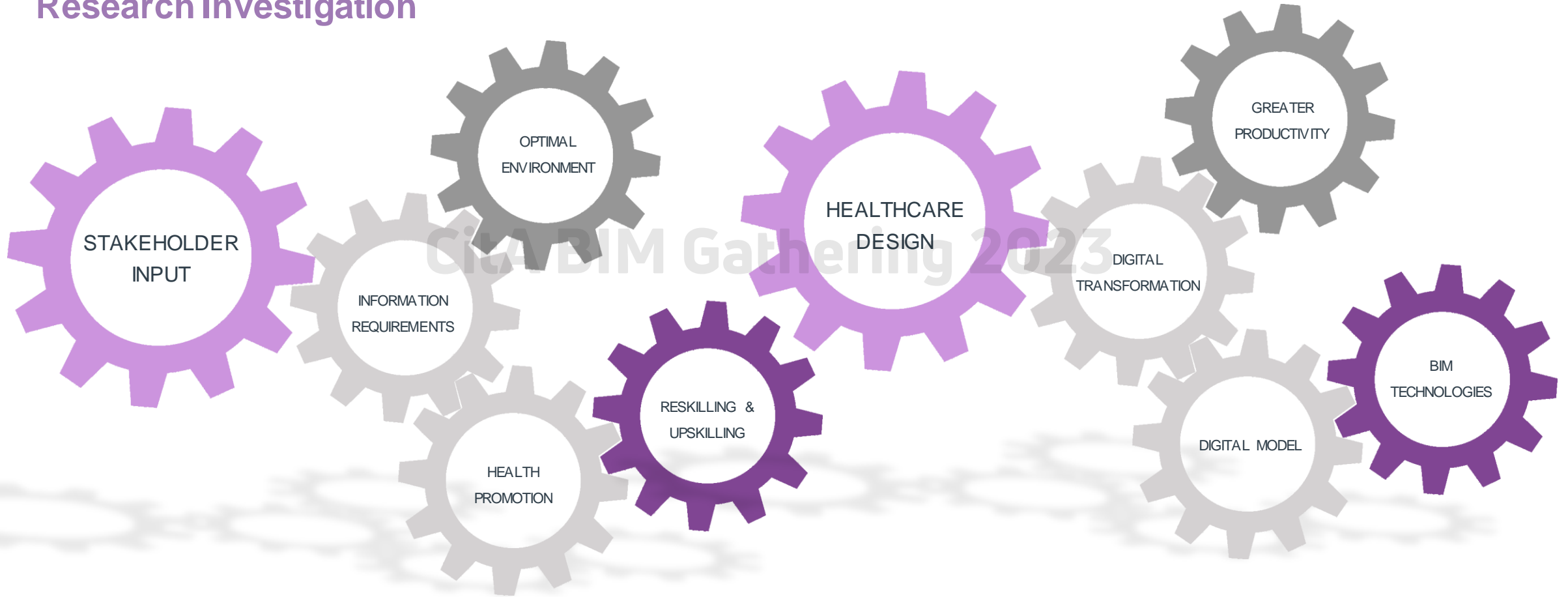
Senior Interior Architect

MSc aBIMM, BSc. (Hons) Interior Design & Furniture

- 2014** ● **BSc (Hons) Interior Design & Furniture**
TU Dublin
- 2018** ● **C+W O'Brien Architects**
Interior Designer
- 2021** ● **TOT Architects**
Senior Interior Architect
- 2020** ● **MSc Building Information Modelling & Management**
TU Dublin - 2023

The Adoption of Building Information Modelling to Facilitate Health Promotion within an Oncology Day Ward

Research Investigation





Objectives

1. Critically analyse social science & design-based literature, to evaluate what an optimal environment entails within an oncology setting.
2. Examine the current position of an oncology department using an existing 2D-generated plan, modelled and rendered in Autodesk Revit and Enscape.
3. Establish if the novel model using key indicators from published literature constitute for an optimal environment in professional practice.
4. Gain an understanding of key indicators that professionals within their healthcare field believe to assist in creating a health promoting environment.

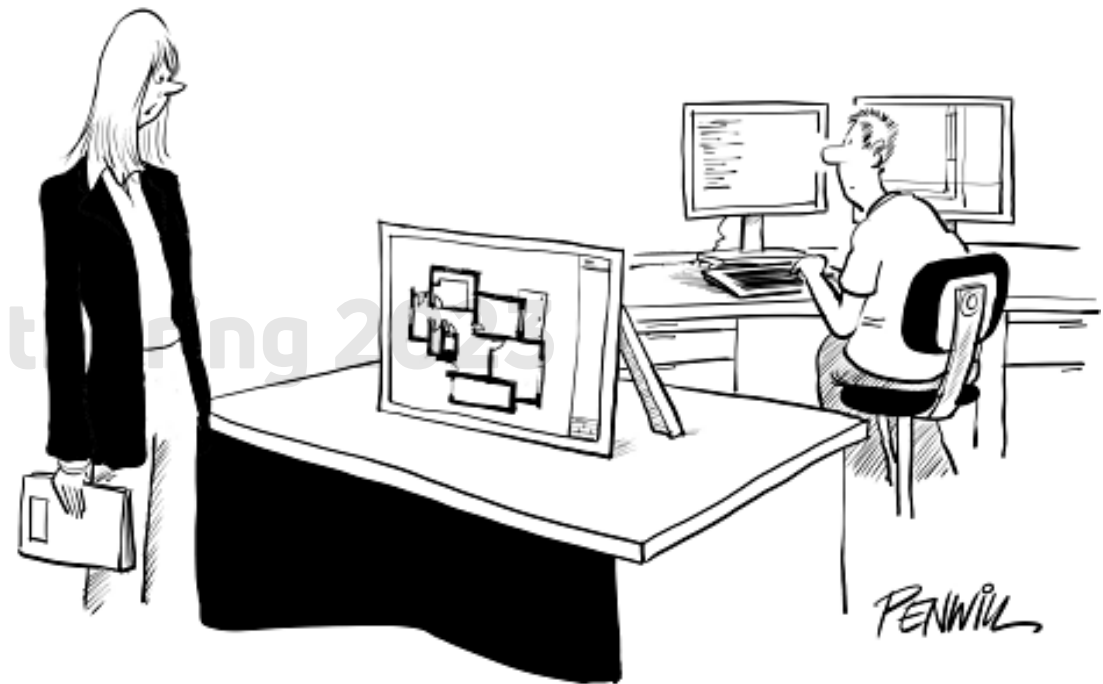


Literature Review

What does the literature believe to constitute an optimal environment within an oncology day ward?

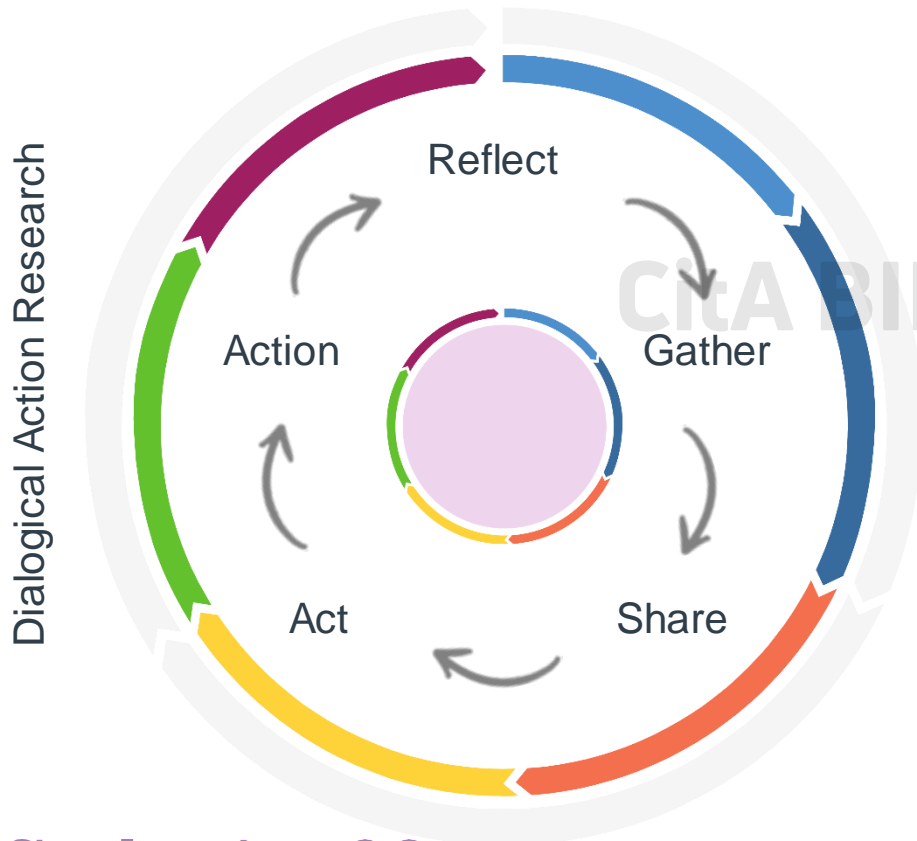
1. Supportive Design
2. Salutogenic Design
3. Environmental Psychology
4. BIM and Healthcare Design

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"YOUR 3D MODEL FROM THE 2D PLAN IS A LITTLE DISAPPOINTING"

Methodology



PARTICIPANT'S PROFILE & SUMMARY OF INTERVIEWS

Participant	Domain	Job Title	Interview Type	Interview No.
1	Healthcare Researcher in Ovarian Cancer	Senior Reserach Fellow	Virtual / Group	1
2	Healthcare Researh in Gynaecological Oncology	Research Coordinator	Virtual / Group	1
3	Oncologist Nurse	Nurse	Virtual / Individual	2
4	Patient Advocate - Childhood Cancer	Director	Virtual / Individual	3
5	Healthcare Hospital Group	Project Manager / Lecturer	Virtual / Individual	4
6	Architectural Practice	Director	Virtual / Individual	5
7	Clinical Manager	Clinical Nurse Manager	Virtual / Individual	6

Existing Oncology Treatment Room



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Proposed Oncology Treatment Room

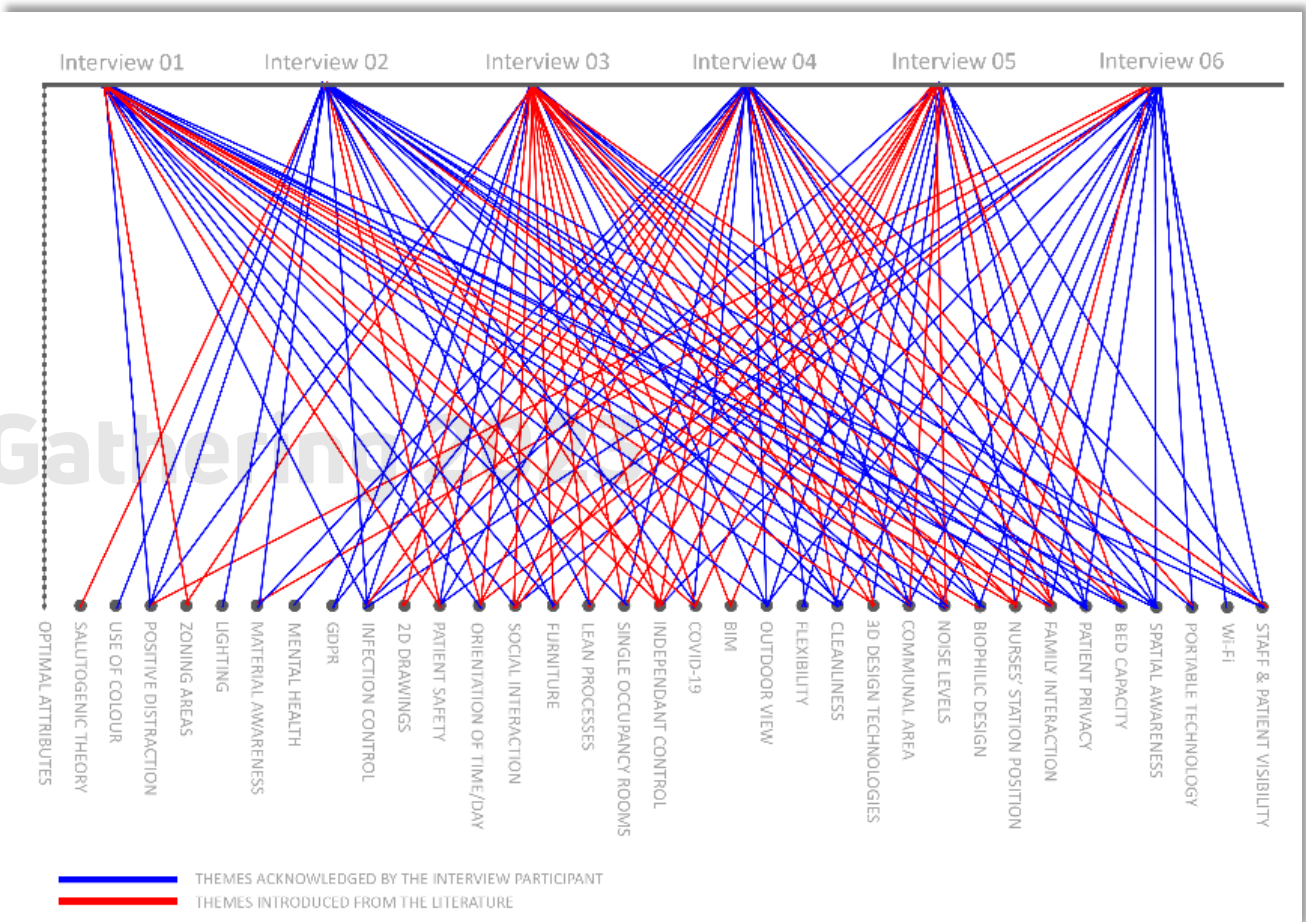




Findings from Stage One interviews

- Biophilic Design
- Spatial Awareness
- Patient Privacy
- Staff / Patient Visibility

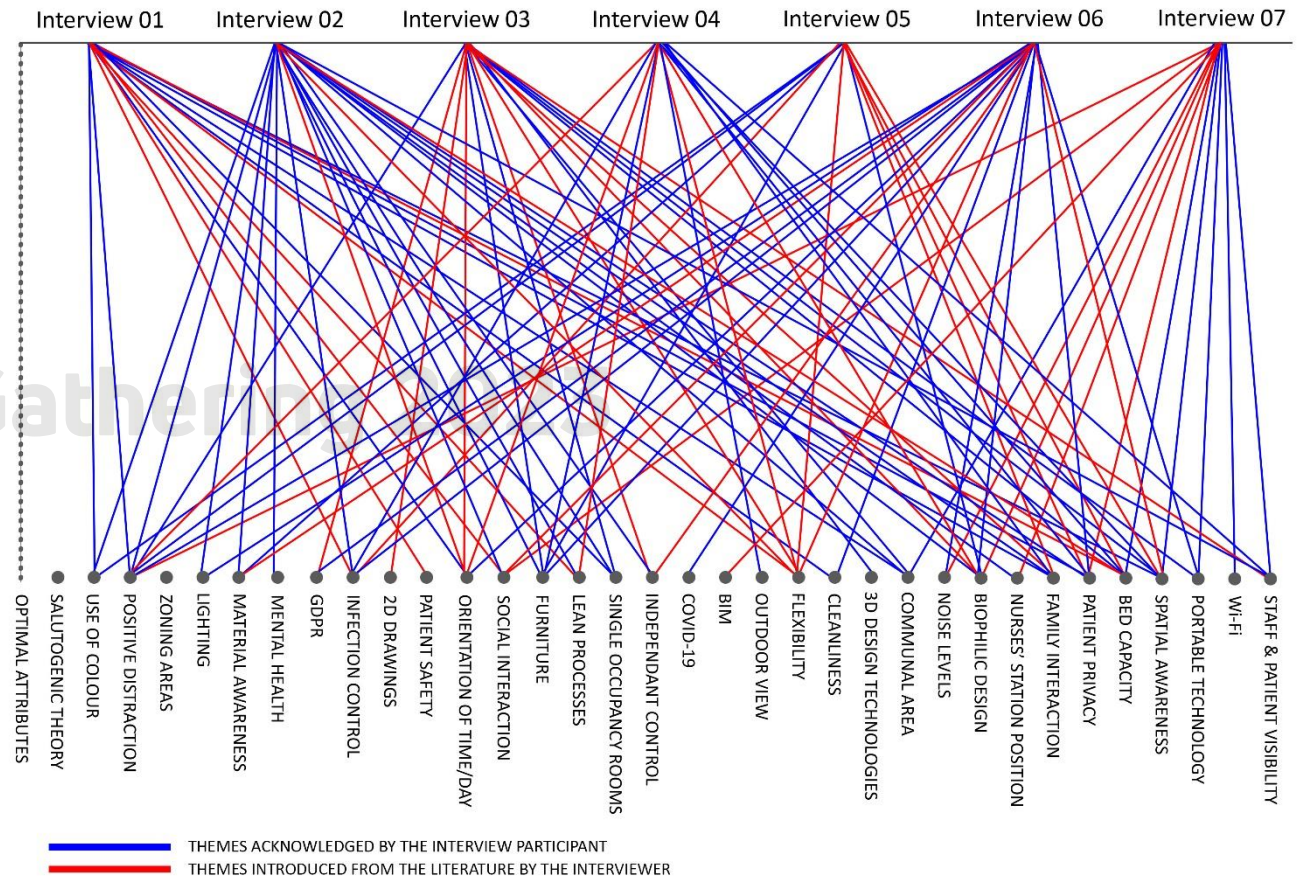
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Findings from Stage Two interviews

- Positive Distraction
- Patient Privacy
- Spatial Layout
- Biophilic Design

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Proposed Optimal Oncology Treatment Room



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Should you have any questions, please do not hesitate to contact me.



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