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BIRMINGHAM

Precision Health
Technologies Accelerator

Introduction to PHTA

Professor Gino Martini
Chief Executive





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Precision Health
Technologies Accelerator

PHTA Ltd

A subsidiary of the University of Birmingham,
based at Birmingham Health Innovation Campus



Birmingham Health
Innovation Campus

A partnership between



UNIVERSITY OF
BIRMINGHAM

bruntwood
SciTech



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Aston University
Birmingham



Health Innovation
WEST MIDLANDS



Birmingham Women's
and Children's
NHS Foundation Trust



The Royal
Orthopaedic Hospital
NHS Foundation Trust



Sandwell and West
Birmingham Hospitals
NHS Trust



University Hospitals
Birmingham
NHS Foundation Trust



Birmingham and Solihull
Mental Health
NHS Foundation Trust



Birmingham
Community Healthcare
NHS Foundation Trust



Birmingham
City Council



West Midlands
Combined Authority

The team



Professor Gino Martini
CEO



Dr Mark Wilson
CBO



Natasha Cotterell
Chief of Staff



Dr Gianmarco Contino
Translational Lead



Sallyann Tyler
Finance Manager



Andrew Ellis
Transition Manager



Sharjeel Kayani
Laboratory Specialist



Louise Stanley
Communications
Manager



Kayiri Onwuama
Administrator



Magda Salawa
Administrator



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PHTA board



Jo Pisani (Chair)



Dr Clive Dix



Dr Steve Chatfield



Allan Andrews



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Sinking Ships and Innovation Accelerators

What do you take with you?

1. Water
2. Food
3. Blankets
4. Fishing rod
5. Shaving mirror
6. Nets
7. Tarpulin
8. Compass
9. Torch
10. Stove
11. Oil
12. Knife
13. Diving mask
14. Spear gun
15. Bucket



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Interesting fact #1

My Background: Industrial Pharmacist, Academic, Chief Scientist for the RPS, and now CEO of the PHTA

I have worked in the pharmaceutical industry for over 20 years and have never seen a drug being discovered, developed and marketed i.e. from cradle to grave!

In my first four weeks in academia I met two academics who had taken a drug from first intent all the way to the market

That's two from a population of 1,000 academics

Our life sciences and Universities are engines for growth



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Interesting fact #2

“It’s astonishing to think that between 1980-2005, nearly all net job creation in the United States occurred in firms less than five years old*

*David Cameron’s speech to CBI, 2010



Birmingham Health Innovation Campus

Unique in its co-location within an NHS and University campus

10-acre site to deliver 657,000 sq ft as part of a ten-year masterplan

Only science park in the region dedicated to health and life sciences

Long-term partnership between the University of Birmingham and Bruntwood SciTech, closely aligned to Birmingham Health Partners

Projected to deliver:
£400m GVA
10,000 skilled jobs



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No.1 BHIC



No. 1 BHIC comprises 133,000 sq. ft of office and laboratory accommodation across seven storeys:

Ground floor: Campus amenities, meeting rooms, café, social and exhibition and demonstration space

Lower floors: University of Birmingham Centre for Anatomy, Surgical and Clinical Skills (B-CASCS), providing students with simulated environments that mirror real-world healthcare settings and scenarios.

Upper 3 floors: UoB Precision Health Technologies Accelerator (PHTA): innovation, co-creation and incubation space; diagnostic laboratories and offices; Makerspace; training suite



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Inside No.1 BHIC – ground floor

PHTA



Anchor tenant of No.1 BHIC – 70,000 sq ft:

Wet and dry laboratories

Prototype development area

Business incubation space

Flexible workspaces

Extensive training suite

R&D and commercialisation support

PHTA offers essential resources which are severely lacking on a national level:

Demand for lab space (2023) – **974,500 sq ft**

Available space – **179,295 sq ft**



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Clinical-academic residents



Alex Richter
**Clinical Immunology
Services**



Amos Burke
Industry Trials Hub



Clinical Immunology Services

Research expertise

Blood cancers

Vaccine immunogenicity

Immunodeficiency

Diagnostic research

Access to broad range of patient samples

Diagnostic development & commercialisation

Accredited lab services

Immuno-assay design & development

ELISA lateral flow design & development

Clinical studies tailored to the product validation requirements



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Industry Trials Hub

Driving collaborative approaches to accelerating innovation from trials to clinical implementation

Embedding translational science into trials to get drugs and devices to patients faster

Pioneering 'Fit for Filing' methodology to deliver academic led trials at industry standards for regulatory submissions

Over 30 years experience delivering innovative clinical trials



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Makerspace

Advanced prototyping and small-batch manufacturing equipment to accelerate medtech product development

Digital anatomy, SLA and 3D printers, laser cutters, powertools and more

Services:

Machine access

Technical support

Design support

Full prototyping service



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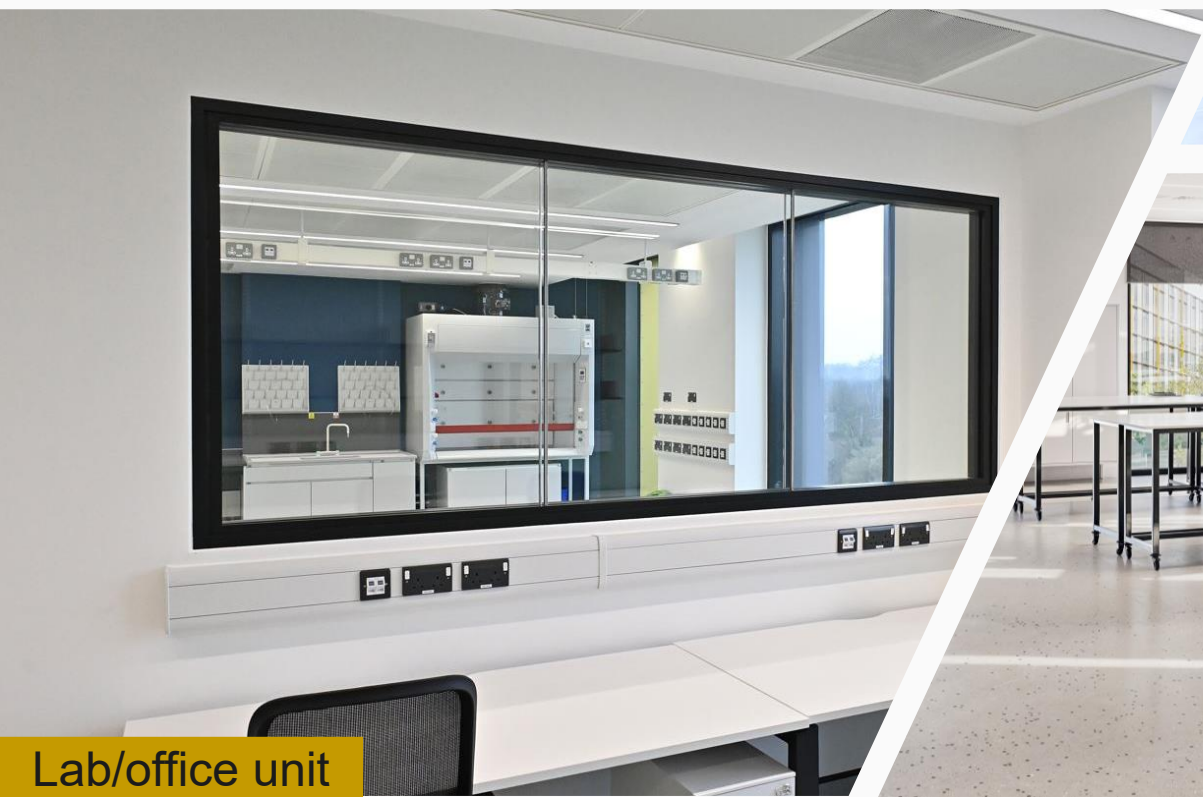
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Dry lab



Large wet lab



Lab/office unit



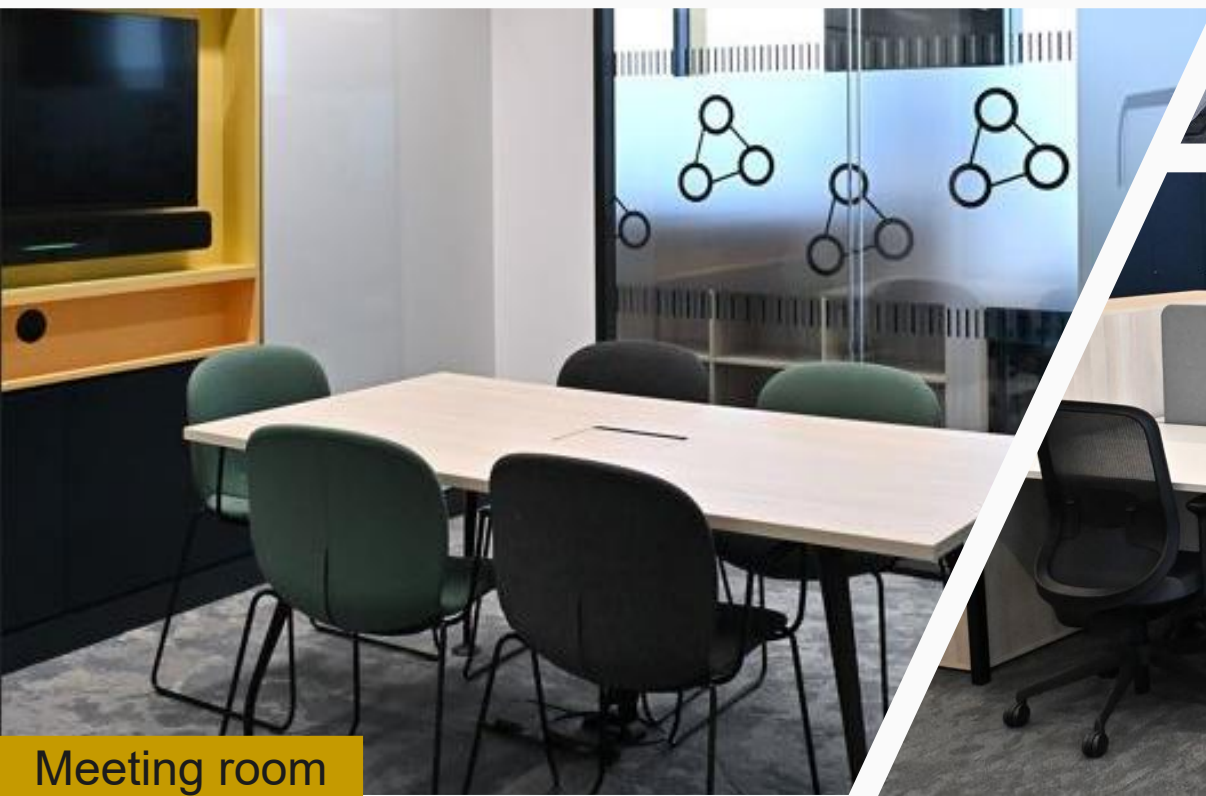
Makerspace



Hotdesks



Breakout space

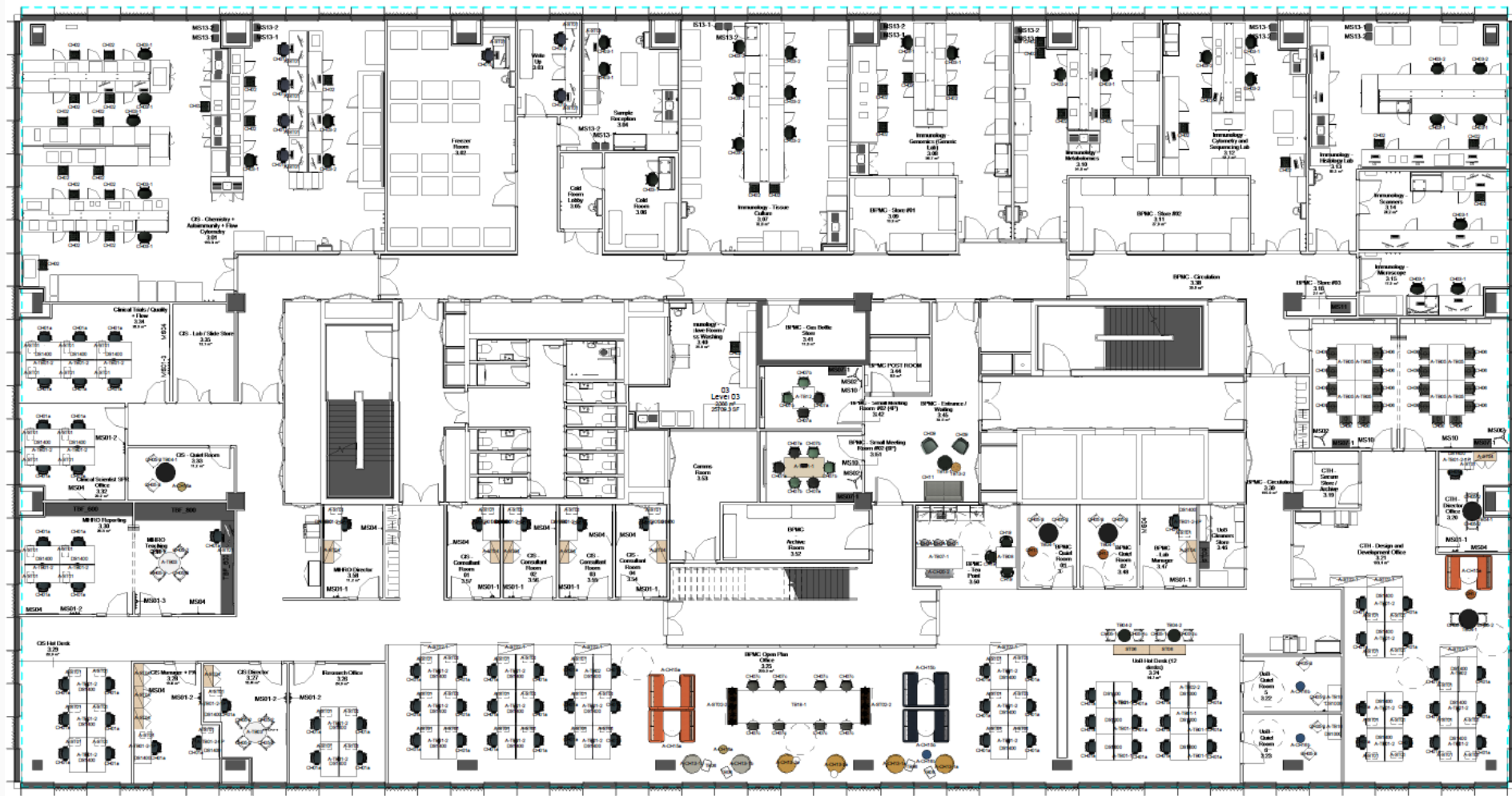


Meeting room

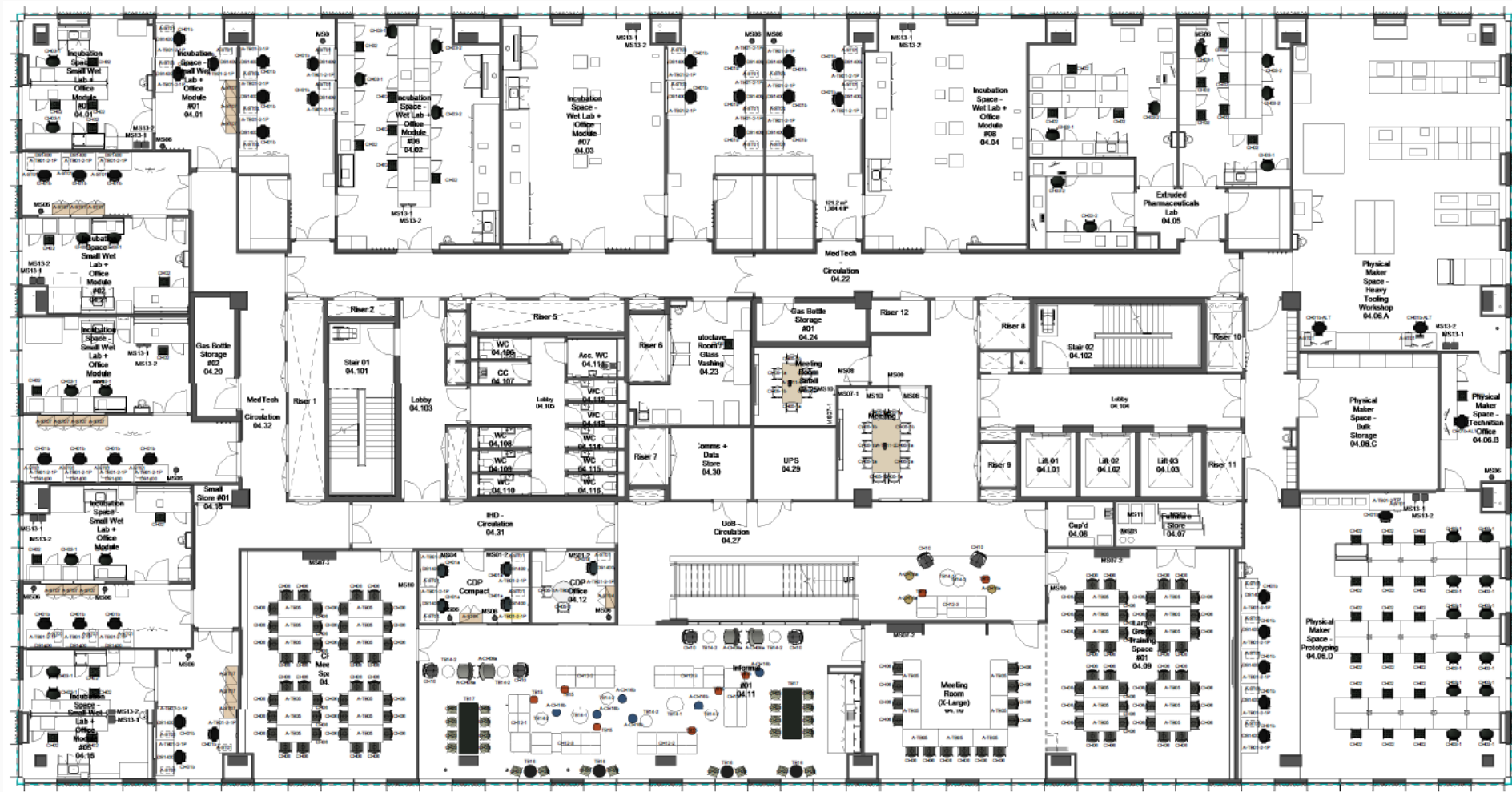


Hotdesks

Floor plan – level 3



Floor plan – level 4



Floor plan – level 5



Sinking Ships and Innovation Accelerators

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Thank you

Questions?



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