

# Innovation and planning in the healthcare estate: recent examples and trends

Susan Francis Programme Director Architects for Health EuHPN Copenhagen Oct 2012



## Events for members

- Learning events on topics of significant interest
- Visits to recent projects
- Collaborations
- Website with Twitter and Facebook
- Student Design Charette and Award
- Influencing: policy context, clinical engagement
- International links: Australia, Canada, Japan, Norway, Sweden, Finland, Switzerland, Brazil, Denmark .....
- www.architectsforhealth.com
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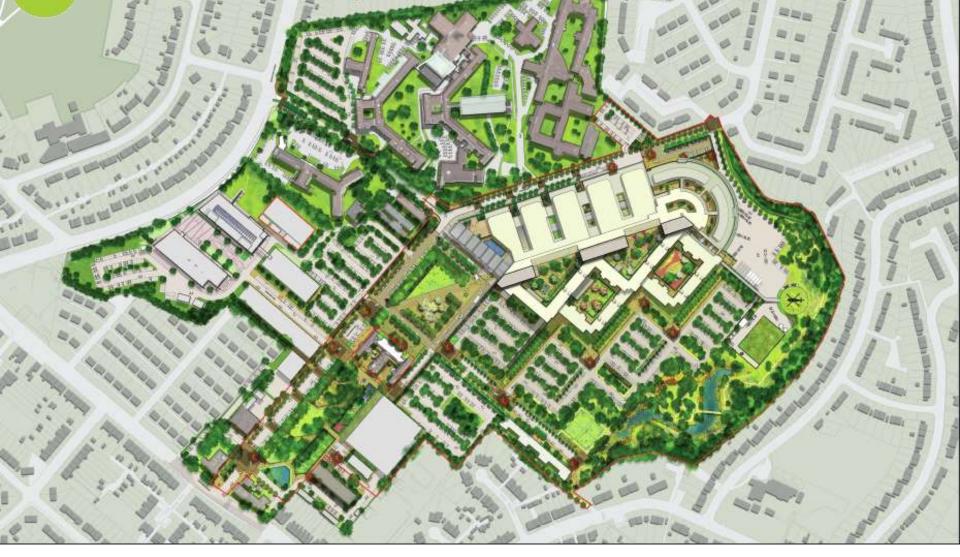


## ArH Student design award 2012

Southmead Hospital North Bristol Site analysis and masterplan for suburban site

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**Southmead Hospital North Bristol** Site analysis and masterplan for suburban site

## Skanska Innisfree : Greenhill Jenner and Nightingales





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Southmead Hospital North Bristol Site analysis

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Skanska Innisfree : Greenhill Jenner and Nightingales



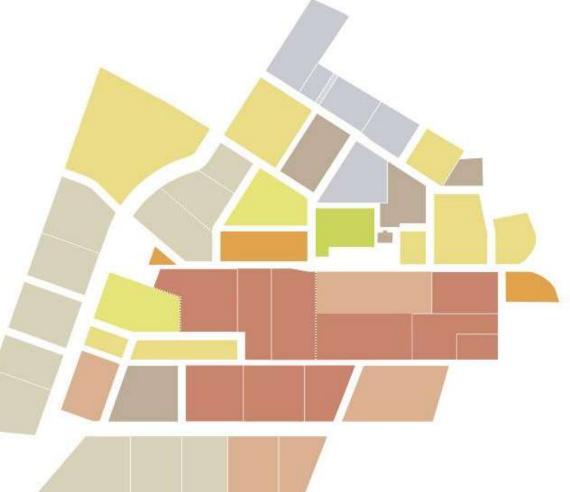
Southmead Hospital North Bristol Landscape design proposal

## ATH Allies and Morrison with Devereux

Addenbrookes Hospital Cambridge Wider site analysis

## ArH Allies and Morrison with Devereux Architects





#### Addenbrookes Hospital Cambridge Mix of uses on existing site

## Allies and Morrison with Devereux Architects

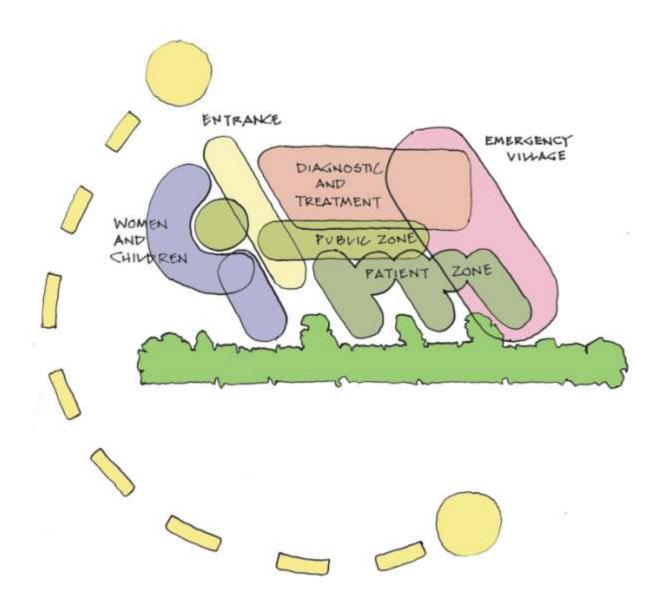
Interventions that offer a sense of place and help orientation





A facility with more delivery options. A non-healthcare environment that encourages





#### Tunbridge Wells Hospital at Pembury, Kent, England

Pembury sets a new gold standard in acute healthcare provision within the public sector.



#### Tunbridge Wells Hospital at Pembury, Kent, England

Efficient, clean and safe, Pembury sets a new gold standard in acute healthcare provision within the public sector.



Tunbridge Wells Hospital at Pembury, Kent, England

View from desk to reception and main waiting. Plenty of light, natural finishes and clear sight-lines create a pleasant and legible arrival.

Tunbridge Wells Hospital at Pembury, Kent, England 00% of Pembury's 500 beds are provided in comfortable single rooms with own en-suites. All look onto woodland and nature

ArH

Stantec

Alder Hey Children's Health Park, Liverpool, England

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ArH

BDP

A hospital without precedent - the hospital and park are integrated for the therapeutic benefit of children.

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ArH Nightingale Associates

### South Glasgow Hospital, Glasgow, Scotland

A 14 storey, 1349 bed acute adult and children's 'super hospital'. Virtually 100% single bedrooms, embedded arts strategy and designed for BREEAM 'Excellent'.

BUERENE



#### Seattle Children's Bellevue Clinic and Surgery Center, Washington, USA.

Use of Lean continuous process improvement methodologies and full-scale mock-ups as design tools achieved a 27% increase in space efficiency.





#### PEACE OF MIND

The project team gave a lot of thought to the experience of taking a child ritts surgery. The "one piece flow" design concept creates a parent journey focused on easing the mind through use of daylight and calming views and by allowing parents to stay with their child for as long as possible (including anesthesia).

One the most significant outcomes of Continuous Performance Improvement was the decision to connect induction rooms to the operating room. The idea, which was developed during prototype testing, gives pasce of mind to parents who can accompany their child until the time of surgery. Not only are parents with their child longer, the location of the pre-operating rooms maximizes safety and diminishes the risk of infection by eliminating the time consuming journey from traditional hospital room to the OR. Anesthesiologists can now sectate patients directly outside the OR, dnamatically reducing fees and increasing throughput.

A more efficient approach to the PACU was its division into two clusters so one side can be shut down when it is not in use. A centralized staff zone in each recovery bay allows a greater line of sight. Skylights illuminate the team area, which does not traditionally have access to natural light.

#### TRADITIONAL FLOW: mirone or

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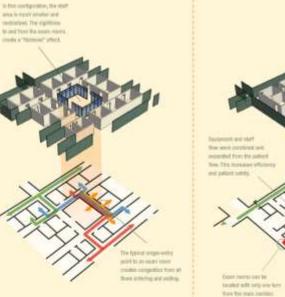
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#### CONTINUOUS PERFORMANCE IMPROVEMENT

CPI takes a holistic look at the "flows of healthcare" with the goal of identifying the safest, most efficient and family-friendly experience. By evaluating these flows early in the process, the design team selected smarter solutions and integrated them faster and cheaper than a traditional hospital project of this kind. At Scattle Children's, some flows am parallel others, so the traditional server flows are simplified to tour.

patients + families
physicians + staff
supplies
coupment + information





Integrated Urgent Care Centre, Weston General Hospital Somerset, England A fully integrated Urgent Care centre incorporating sedum roof, timber frame ,timber cladding and timber linings achieving BREEAM excellent.





Cynon Valley Community Hospital Community Dental, Mid Glamorgan, Wales State of the art Dental facility with superior finishes & attention to control of infection has been included adjacent to a mixed social & community function.



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**Cynon Valley Community Hospital Community Dental**, **Mid Glamorgan**, **Wales** Bright colours are introduced on the signage in the atrium as part of the wayfinding strategy corresponding with those used in the departments.





#### The Children's Hospital, Sheffield, England

Competition winning scheme for a new main entrance, OPD and bedroom wing transforms the public face of the hospital. 2011-2015.



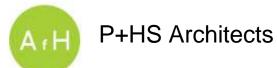
A 1760's listed building exhibiting a striking relationship between old and new.





### Houghton le Spring Primary Care Centre Sunderland

First health building in the UK to be recognised as BREEAM Outstanding





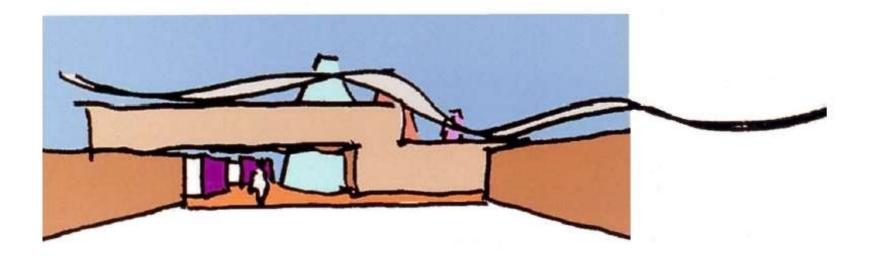
Houghton le Spring Primary Care Centre, Sunderland Naturally ventilated building using a ventilated spine wall



**Roseberry Park Hospital, Middlesbrough, England** RIBA Award winner 2012

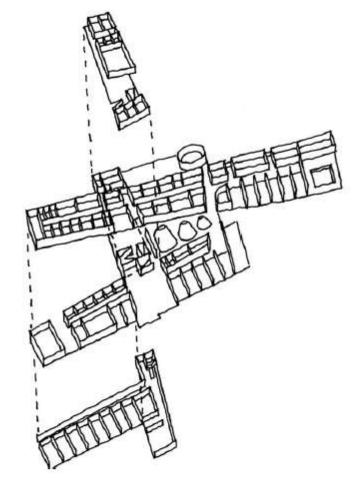


## Gareth Hoskins Architects



## Childrens Hospice Lock Lomond concept

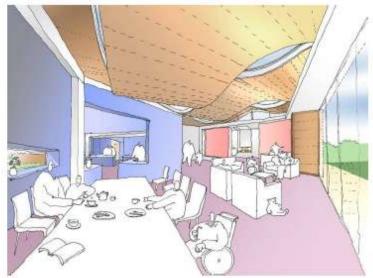




garethhoskinsarchitects







garethhoskinsarchitects







Altnagalvin Hospital, Radiotherapy department, Londonderry, Northern Ireland Exploding the elements of heavy Radiotherapy accommodation, fragmenting them into disciplined rocks rising from the surrounding woodland.



NBBJ in collaboration with P+HS Architects - Endeavour Radiotherapy Unit, James Cook University Hospital, Middlesbrough, England.

Marriage of state-of-the-art cancer treatment technology with a holistic patient environment puts James Cook at the forefront of Cancer Care.

Rogers Stirk Harbour and Partners with Stantec

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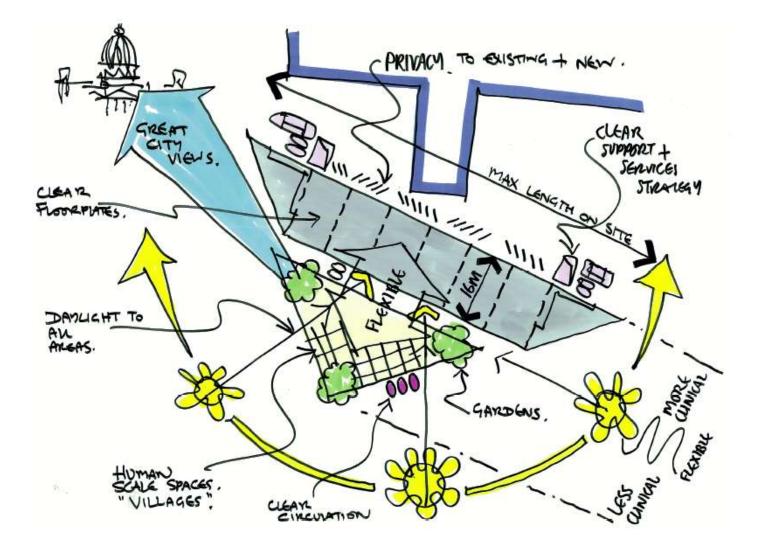
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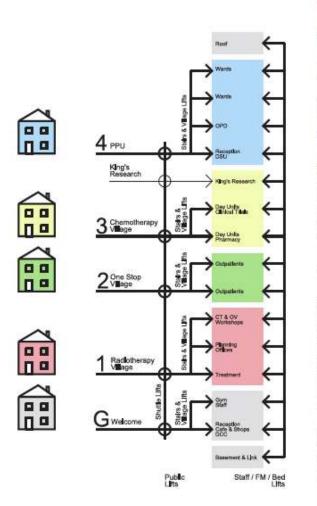
Kings health Partnership Cancer Centre at Guys Hospital

## Rogers Stirk Harbour and Partners with Stantec

ArH







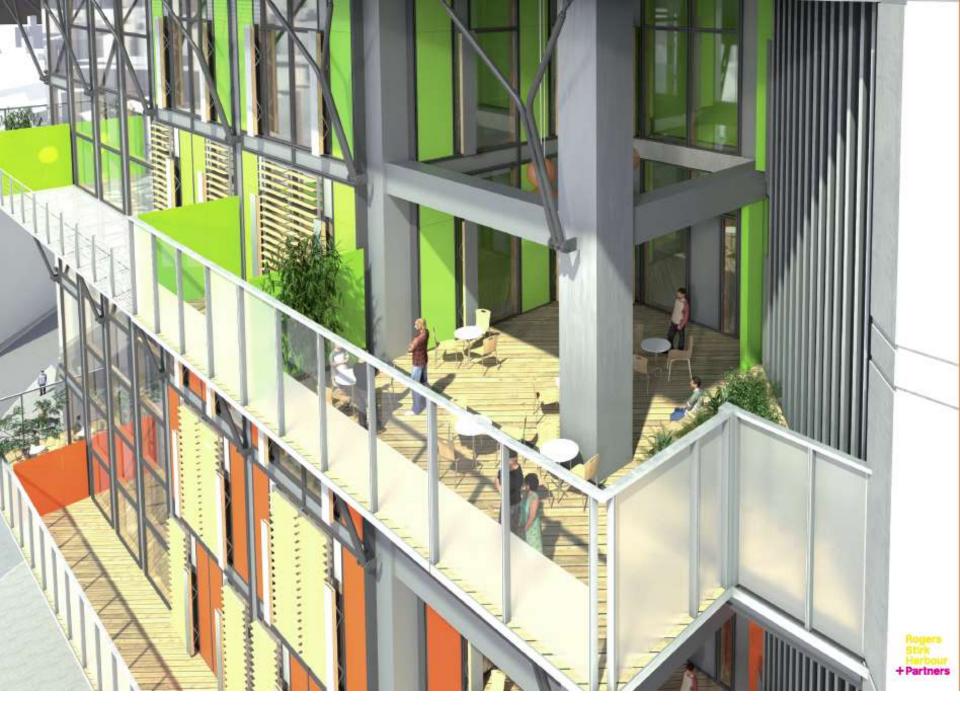


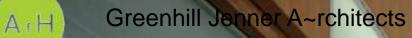






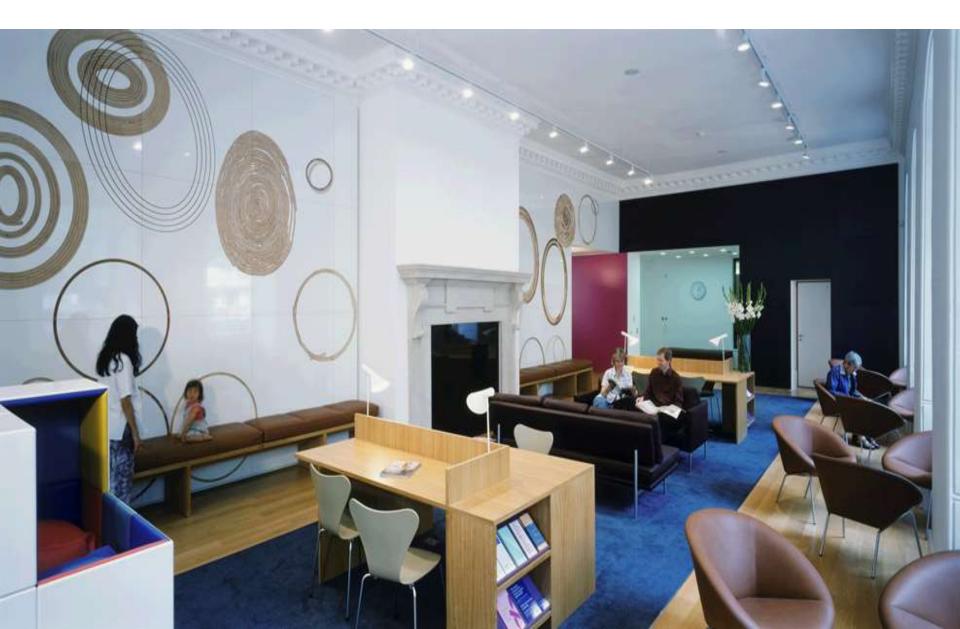
King's Health Partners - Cancer Centre at Guy's





Barts Canner Centre London Listed building around courtyard





# **Greenhill Jenner Architects**

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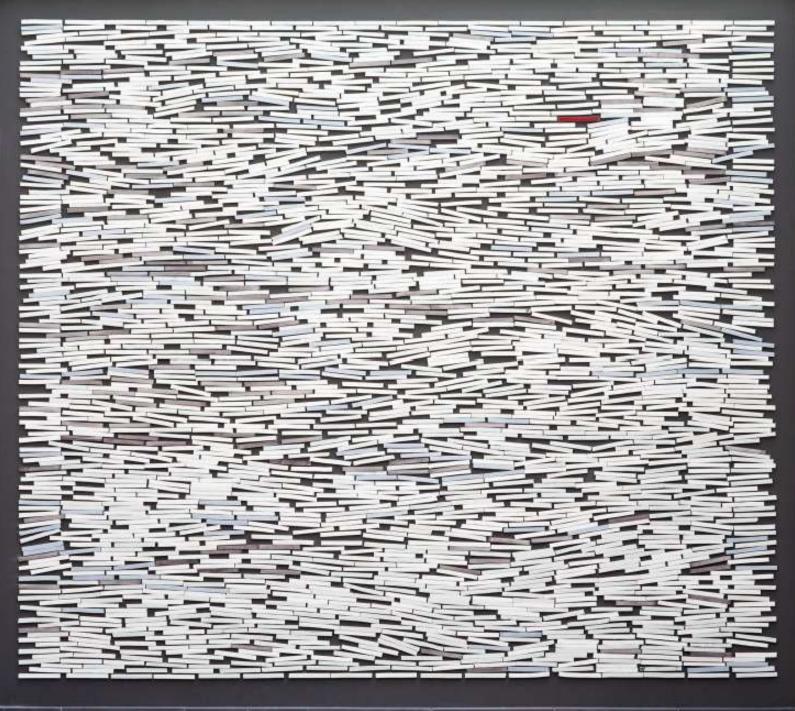
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## **Southmead Hospital** Avanti Architects and Kate Blee



# **EuHPN Fact files**



Web resource showcasing best and most innovative projects. EuHPN is keen to increase our knowledge and coverage.

For more information, or to receive the fact file template contact jonathan.erskine@durham.ac.uk or susan@susanfrancis.net. www.euhpn.eu/index.php/euhpn/fact-files.

