



AIA

2016

AIA/AAH HEALTHCARE
DESIGN AWARDS

UNIVERSITY MEDICAL CENTER



The American
Institute
of Architects

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2016

AIA/AAH HEALTHCARE
DESIGN AWARDS

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ZGF ARCHITECTS LLP

AIA/AAH HEALTHCARE DESIGN'S BEST UNDER 40 (U40)

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19 2016 Recipients

AIA/AAH

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The 2016 AIA/AAH Healthcare Design Awards

The mission of the AIA Academy of Architecture for Health (AAH) is to improve both the quality of healthcare design and the design of healthy communities by developing, documenting, and disseminating knowledge; educating design practitioners and other related constituencies; advancing the practice of architecture; and affiliating and advocating with others who share these priorities.

We believe that design can make a difference: The planning and design of healthcare facilities impact people and affect their quality of life. Healthcare design solutions can act as allies in the healing process.

AAH is pleased to celebrate the outstanding achievements of contemporary architects and recognize the firms for their contributions to the healthcare environment with the 2016 AIA/AAH Healthcare Design Awards. Each year the awards showcase the best of healthcare building design and healthcare design-oriented research, and highlight the trends of healthcare facilities and the future direction of design. Winning projects exhibit conceptual strengths that address aesthetic, civic, urban, and social concerns. Our panel of jurors evaluates project entries for effectively addressing these concerns, as well as the requisite functionality and sustainability requirements of a healthcare facility.

“The Academy is extremely pleased about the level of design quality seen in these award-winning projects. Each one shows a unique and creative response to its program and site, and they are all very different in terms of shape, size, materials, and approach,” says Joan Suchomel, AIA, ACHA, EDAC, president of AAH. “Yet, we see many common themes among these award winners. Each places a huge emphasis on integrating with the outdoors, with views to nature, and, in some cases, accessible outdoor space for patients, families, and staff to use. Interior spaces are flooded with

daylight, enhancing the healing qualities of the environments. They are not shy about displaying a playful and creative use of color. All of the projects have beauty in them. One of the things I personally love about healthcare design is the challenge of meeting all of the programmatic and code requirements, and generating great architecture at the same time. These projects prove that healthcare design can be high design.”

Awards Categories

Category A

Built: Less than \$25 million in construction cost

Category B

Built: More than \$25 million in construction cost

Category C

Unbuilt: must be commissioned for compensation by a client with the authority and intention to build

Category D

Innovations in planning and design research, built and unbuilt

Category E

Master planning urban design for healthcare settings

2016 AIA/AAH Healthcare Design Awards Jury



Doug Hocking,
AIA, LEED AP
BD+C (Chair),
KPF



Rosalyn Cama,
FASID, EDAC,
CAMA, Inc.



Tatiana Guimaraes,
Assoc. AIA,
Perkins+Will



Anthony Haas,
FAIA, FACHA,
WHR
Architects



David Montalba,
FAIA,
Montalba
Architects



Sid Sanders,
RA, Houston
Methodist
Hospital



Kenneth Webb,
AIA, ACHA,
LEED AP
BD+C, HKS

Kaiser Permanente, Kraemer Radiation Oncology Center

Anaheim, California

Yazdani Studio of CannonDesign



FROM THE JURY

“ There is a clear manifestation from concept to exterior that balances visual experience and privacy. Given the issues with linear accelerators, the idea of this building as a standalone object makes sense. The jury was impressed with the design team’s approach of introducing a garden into a concrete bunker with access to natural light. The use of patterned glass to create translucency and offer privacy, with selective breaks in the pattern framing views to the landscape, was successful. ”

Category: Built, less than \$25 million in construction cost

Project: Kaiser Permanente, Kraemer Radiation Oncology Center

Project Location: Anaheim, California

Owner/Client: Kaiser Permanente

Architect: Yazdani Studio of CannonDesign

Interior Designer: CannonDesign

Landscape Architecture: AHBE

Structural Engineer: John A. Marin & Associates

Civil Engineer: RBF

M/P Engineer: M+NLB/Mazzetti

Electrical Engineer: DPB Engineering

General Contractor: Turner

Security Consultant: Guidepost Solutions

Photographs/Illustrations: Bruce Damonte

Construction Cost: \$13 million

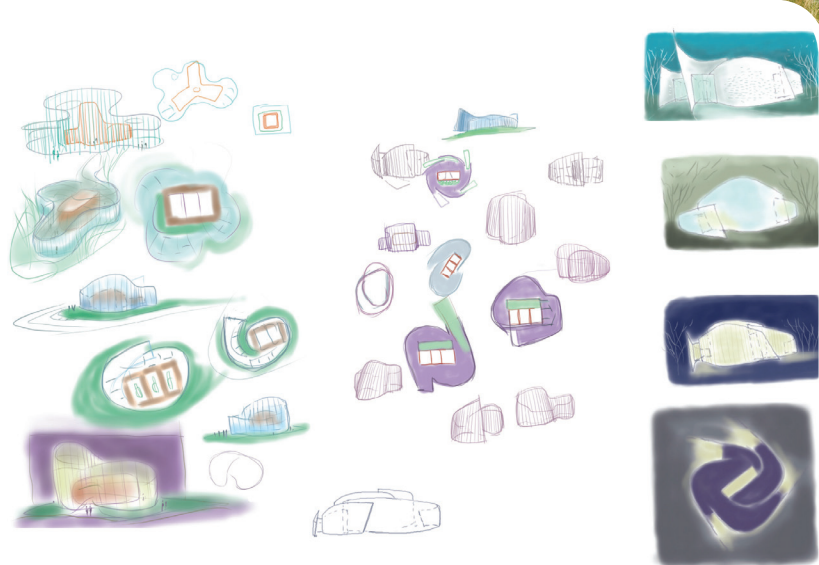
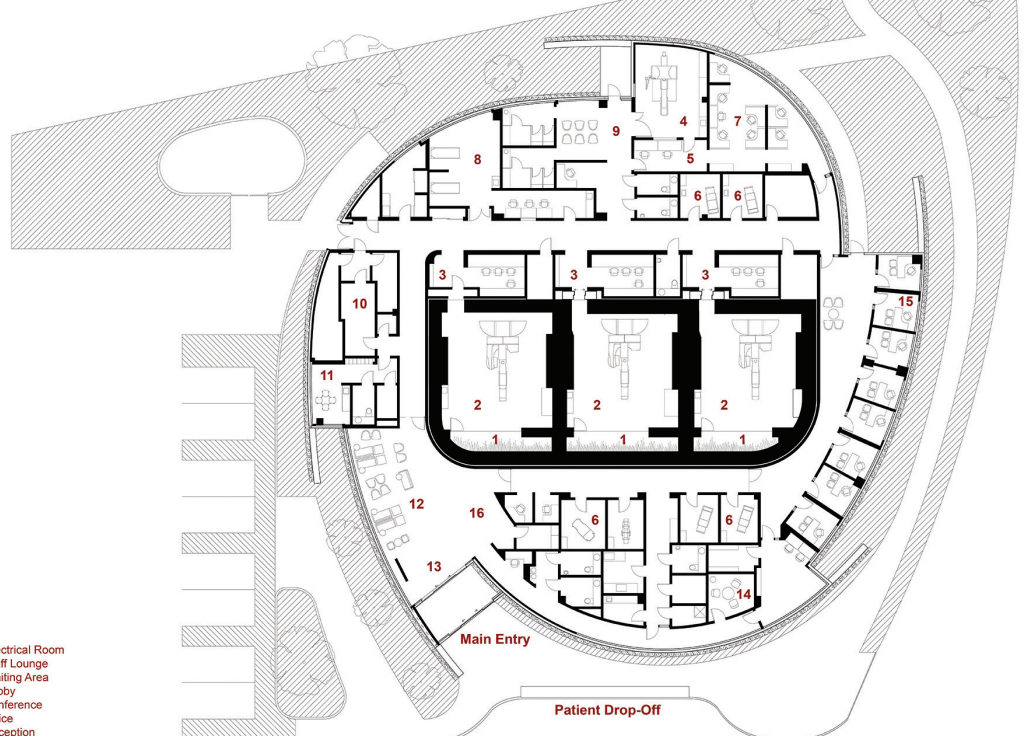
Building Area GSF: 16,000

Construction Start Date: June 2014

Substantial Completion Date: June 2015



- | | |
|----------------------|--------------------|
| 1 Zen Garden | 10 Electrical Room |
| 2 Linear Accelerator | 11 Staff Lounge |
| 3 Control Room | 12 Waiting Area |
| 4 Work Area | 13 Lobby |
| 5 CT Control Room | 14 Conference |
| 6 Exam Room | 15 Office |
| 7 Treatment Planning | 16 Reception |



The design for this LEED Gold radiation therapy building focuses on providing a highly supportive environment that provides treatment and care of cancer patients. The challenge was to create an environment that reduces stress for member patients and families, provides the best current technological infrastructure, and is an excellent place for physicians and staff to perform their work. The design provides a calming, nature-oriented experience through the use of natural light, organic forms, outdoor views to nature, soothing interior colors, and an internal “Zen Garden” which contains a vibrant living-wall garden visible from the treatment areas.

Planned Parenthood Queens: Diane L. Max Health Center

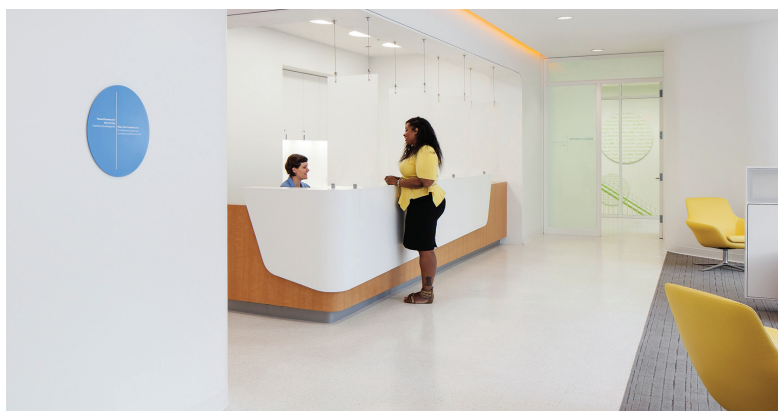
Queens, New York

Stephen Yablon Architecture



FROM THE JURY

“ The scale and contextual response of this clearly executed project is commendable. The articulation of the façade, maximizing the view of the tree canopy; thoughtful use of color and details; furniture selection; and integration of graphics are well orchestrated. For a modest \$5 million budget, the project achieved a high level of consistency and sophistication. ”



For its first center in Queens, New York City, Planned Parenthood sought a facility that was a bold expression of its commitment to state-of-the-art care for all, provided an excellent patient experience, and welcomed one of the most diverse communities in the world. The building's contemporary design contrasts with its brownstone neighbors, establishing itself as a welcoming and important community institution. The simply planned, sleek, and light-filled interiors are uplifting and easy to navigate, reducing patient stress. A bold color system aids in orientation for the diverse users and brings spatial delight throughout.



Category: Built, less than \$25 million in construction cost
Project: Planned Parenthood Queens: Diane L. Max Health Center
Project Location: Queens, New York
Owner/Client: Planned Parenthood of New York City
Architect: Stephen Yablon Architecture
MEP Engineer: IP Group Consulting Engineers
Lighting: Cline Bettridge Bernstein Lighting Design
Environmental Graphics: Calori & Vanden-Eynden
Medical Planning: DaSilva Architects
Cost Estimating: Nasco Construction Services
Photographs/Illustrations: Michael Moran Photography
Construction Cost: \$5.5 million
Building Area GSF: 14,400
Construction Start Date: May 2014
Substantial Completion Date: May 2015



Memorial Sloan Kettering (MSK) Regional Ambulatory Cancer Center

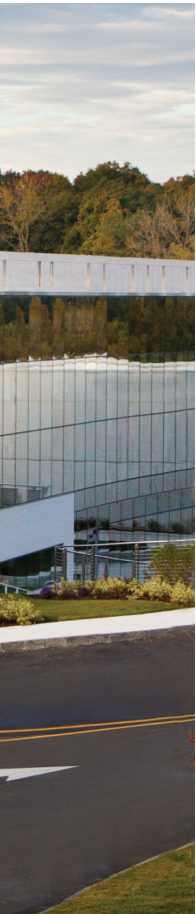
West Harrison, New York

EwingCole



FROM THE JURY

“An elegant design, this adaptive reuse project is carefully crafted with thoughtful proportion and detail. From the cast-in-place wall and framed elements in the landscape to layering of finishes, selection of furniture, and integration of environmental graphics, this projects demonstrates sensitivity to design and attention to detail at all levels. The jury appreciated the use of skylights to carve natural light into this large footprint.”



The West Harrison site for Memorial Sloan Kettering's Regional Cancer Center was an existing 1950s office building. The challenge for the design team was converting the dated brick and metal-panel building with large floor plates into a state-of-the-art cancer center that reflected MSK's high standard of care. The building not only accomplished the stringent task of achieving LEED Gold but also implemented additional healthy-building initiatives, such as specifying entirely PVC-free products for both construction and design.

Category: Built, more than \$25 million in construction cost
Project: Memorial Sloan Kettering (MSK) Regional Ambulatory Cancer Center
Project Location: West Harrison, New York
Owner/Client: Memorial Sloan Kettering Cancer Center
Architect: EwingCole
Interior Designer: EwingCole
Engineering Consultant: JMC
Contractor/Construction Manager: Hunter Roberts
Photographs/Illustrations: Ron Blunt Architectural Photography
Construction Cost: \$75.3 million
Building Area GSF: 102,000
Construction Start Date: July 2011
Substantial Completion Date: September 2014



The Christ Hospital Joint and Spine Center

Cincinnati, Ohio

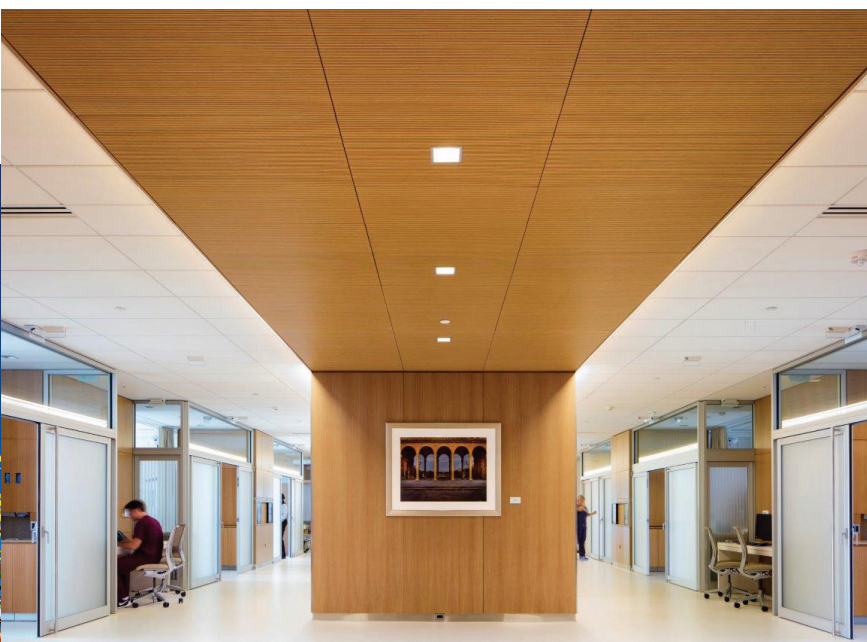
Skidmore, Owings & Merrill LLP



FROM THE JURY

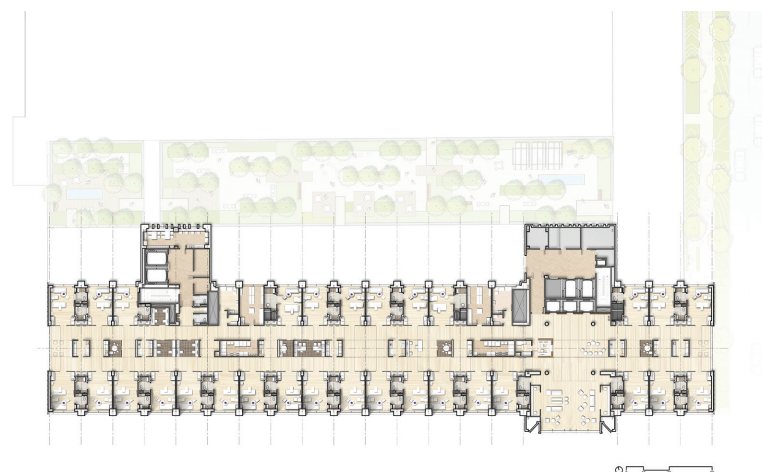
“ This is a graceful project that is thoughtfully composed and placed in its context. The framed living rooms on patient floors mark the entrance and provide a distinct identity to the building. The high glass transoms on the patient unit corridor walls allow light to penetrate deep into the core of the building. The jury was impressed with the well-thought-out rooftop garden that provides a place of respite for its occupants. ”





The Christ Hospital sought to unify its main campus in Cincinnati and forge a model for integrated, patient-centered joint and spine care. Skidmore, Owings & Merrill LLP worked with patients, medical professionals, and hospital staff to design the new state-of-the-art Joint and Spine Center. Inside the hospital, spaces for patients are filled with daylight, outside views are maximized to support well-being, and quiet spaces for family and staff are programmed with comfortable furnishings for conversation and rest. The building is LEED-certified.

Category: Built, more than \$25 million in construction cost
Project: The Christ Hospital Joint and Spine Center
Project Location: Cincinnati, Ohio
Owner/Client: The Christ Hospital
Architect: Skidmore, Owings & Merrill LLP
Design Architect, Interior Design, Structural + Civil Engineering, Environmental Graphics, Sustainability Strategy: Skidmore, Owings & Merrill LLP
Local Architect: Champlin Architecture
Landscape Architect: The Office of James Burnett
Local Consulting Engineer: Fosdick & Hilmer
Local Structural Engineer: THP Limited Inc.
Local Civil Engineer: The Kleingers Group
Construction Contractor: Messer Construction Co.
Photographs/Illustrations: Tom Rossiter; floor plan by SOM
Construction Cost: confidential
Building Area GSF: 381,000
Construction Start Date: October 2011
Substantial Completion Date: May 2015



The University of Arizona Cancer Center (UACC) at Dignity Health St. Joseph's Hospital and Medical Center

Phoenix, Arizona

ZGF Architects LLP



Category: Built, more than \$25 million in construction cost

Project: The University of Arizona Cancer Center (UACC) at Dignity Health St. Joseph's Hospital and Medical Center

Project Location: Phoenix, Arizona

Owner/Client: The University of Arizona

Architect: ZGF Architects LLP

Landscape Architect: Wheat Design Group Inc.

Structural Engineer: Martin, White & Griffis Structural Engineers Inc /John A. Martin & Associates Inc.

Civil Engineer: Dibble & Associates Consulting Engineers

MEP Engineer: Affiliated Engineers Inc.

Acoustical / Vibration Engineer: Colin Gordon Associates Inc.

Lighting Design: Francis Krahe & Associates Inc.

Environmental Design: Atelier Ten USA LLC

Contractor: Hensel Phelps Construction Co.

Code (Fire/Life Safety/ADA) Consultant: Jensen Hughes Inc.

Vertical Transportation Consultant: Lerch Bates Inc.

Photographs/Illustrations: Nick Merrick/Tom Harris/Hedrich Blessing Photographers

Construction Cost: \$87 million

Building Area GSF: 220,000

Construction Start Date: February 2013

Substantial Completion Date: June 2015



The 220,000-square-foot UACC is intended to deliver the highest standard of care within an evidence-based, multidisciplinary model, using the most modern technologies. The building program includes spaces for radiation oncology, diagnostic imaging, endoscopy and interventional radiology, exam and procedure rooms, a support and wellness center, infusion, a clinical pharmacy, and a healing garden. The building was designed to emphasize the user experience, integrate the natural beauty of the landscape, and address the needs of the UACC staff and patients for years to come. An exterior shade system, along with chilled beams, was the first to be used in an Arizona healthcare setting, greatly contributing to the sustainability of the facility.

FROM THE JURY

“ The articulated metal screens on the east and west façades offer an appropriate climatic response, transparency, and a strong visual identity to the building. The jury appreciated the dappled effect of light on a well-detailed central stair. Interior spaces are clean and well composed. The use of wood with stone adds warmth and comfort. Moveable patterned glass screens in the infusion space offer privacy or an opportunity for socialization. ”

University Medical Center New Orleans

New Orleans, Louisiana

NBBJ/Blitch Knevel



Category: Built, more than \$25 million in construction cost

Project: University Medical Center New Orleans

Project Location: New Orleans, Louisiana

Owner/Client: LCMC Health

Architect: NBBJ

Associate Architect: Blitch Knevel

Interior Design: NBBJ

Landscape Design: NBBJ

Structural Engineer: URS

Contractor: Skanska

MEP Engineer: MMC

BIM: CDV Systems

Photographs/Illustrations: Benjamin Benschneider and Sean Airhart

Construction Cost: \$768 million

Building Area GSF: 2.3 million

Construction Start Date: August 2007

Substantial Completion Date: May 2015



University Medical Center provides New Orleans with critical safety-net care in a sophisticated 1.5 million-square-foot facility built to withstand natural disaster. Programs include inpatient services, cancer care, behavioral health, and a Level 1 trauma center. The design promotes holistic healing, from landscaped courtyards to all-private inpatient rooms with natural light and en suite bathrooms. Wide double-bays and sliding breakout doors enable swift action in treatment zones. Floor-to-ceiling windows in public spaces create transparency and uplifting views, while custom artwork and graphics throughout the hospital celebrate New Orleans' rich heritage.



FROM THE JURY

“ The jury appreciated sensitivity to context and resiliency in designing a hospital. This large project is successful in addressing scale, sense of place, visual experience, and integration of outdoor spaces. The building façade is well-thought-out, balancing aesthetics, safety, and human comfort. The thoughtful use of color inside the building is comforting and facilitates wayfinding. The jury recognized a level of design consistency across the project. ”



Seattle Children's Hospital, South Clinic

Seattle, Washington

ZGF Architects LLP



FROM THE JURY

“ The jury applauds the transformation of a big box retail store into a simple, sophisticated, and elegant healthcare clinic. From ideation to execution, the layering of color and perforated skin adds architectural quality to the façade. The iconography is playful without being childish, welcoming patients and families into the building. The selective use of color is balanced with a wood screen wall that anchors the interior space. ”

Category: Innovations in planning and design research, built and unbuilt

Project: Seattle Children's Hospital, South Clinic

Project Location: Seattle, Washington

Owner/Client: Seattle Children's Hospital

Architect: ZGF Architects LLP

Construction Manager: Owners Project Resources

Structural Engineer: Coughlin Porter Lundeen

General Contractor: Aldrich & Associates Inc.

MEP Engineer: Affiliated Engineers, Inc.

Acoustics: Sparling

Photographs/Illustrations: Aaron Leitz

Construction Cost: \$16 million

Building Area GSF: 37,000

Construction Start Date: August 2014

Substantial Completion Date: June 2015



Seattle Children's South Clinic advances the current hub-and-spoke model of healthcare that brings outpatient services closer to patients in their communities to offer more responsive care while reducing demand for acute care services. The clinic was designed with a focus on patient flow so providers can serve patients quickly and efficiently. Located in the Seattle suburb of Federal Way and within a shopping center—with existing parking and adjacent community destinations—the design adapts a former Circuit City store into a 37,000-square-foot outpatient clinic that houses urgent care, occupational and physical therapy, and a number of specialty services.

AIA/AAH Healthcare Design's Best Under 40 (U40)

DESCRIPTION:

The U40 list is a nomination-oriented recognition to celebrate individuals under 40 years of age making significant contribution to the advancement of healthcare design. Candidates for the award must display leadership and innovation and take on initiatives that go beyond the project responsibilities, working toward the advancement of the industry as a whole. Each year two individuals are selected to be added to the distinguished U40 list.

2015 RECIPIENTS:



Erin Peavey,
LEED AP BD+C,
EDAC

Trained as an architect and design researcher, Erin Peavey has spent her career bridging the gap between research and practice. Most recently with HOK in New York, she was a senior researcher and medical planner, working closely with clients envisioning the future of healthcare. She is currently a visiting scholar at CADRE/HKS Inc. and a research consultant for the Center for Health Design. Peavey is the research chair and a trustee for the Academy of Architecture for Health Foundation. She has published widely and is active in giving back to the community as a speaker, mentor, teacher, and board member. Peavey is an advocate for the power of design in improving lives.

FROM THE JURY

“ Medical planner, researcher, teacher, presenter, author... Erin has accomplished more before 40 than others do in their entire career. Her dedication to research, sharing the findings, and mentoring young staff is exemplary and more is needed in our industry. ”



Brandy Olson

Brandy has created the Operations Design team at HDR to help clients optimize the balance of experience and efficiency in healthcare, bridging the gap between current realities and future aspirations. They are not designing buildings; she and her team are designing how people work in systems of care, not just the building itself. They guide healthcare clients toward change by combining process improvement strategies with a collaborative “silo-busting” process designed to break down organizational boundaries and hierarchies. First, they help clients prioritize their goals, review current state processes, identify key issues and successes, and design and implement new processes that achieve the goals. They use data-driven design to optimize future operations and new construction. By tying prioritized goals to calculable metrics, clients can truly measure the success of the changes implemented. Valuable as part of the design process or as a stand-alone service, Brandy and her team are revolutionizing how healthcare systems approach planning and design.

FROM THE JURY

“ Brandy’s passion came through loud and clear in her application. The ability to combine the art of design with the analytics of engineering to achieve sound operational solutions is the foundation of healthcare design. Using that passion to create and build a successful operational design team is truly an accomplishment. ”

AIA/AAH Healthcare Design's Best Under 40 (U40)

2016 RECIPIENTS:



Joaquim Meira,
Intl. Assoc. AIA

Joaquim Meira is a licensed/registered architect in Brazil, where he works as a healthcare designer and planner for the government's public health system, and also runs a small-size architecture firm dedicated to healthcare design (m2p Arquitetura e Engenharia). Also, Joaquim has served as faculty in the Architecture and Interior Design undergraduate and graduate programs at Universidade da Amazônia – UNAMA.

He earned his Bachelor of Architecture and Urban Design from Universidade da Amazônia – UNAMA (Belém, Brazil), his post-professional master's degree in Healthcare Architecture from Universidade Federal Da Bahia – UFBA (Salvador, Brazil), and is currently enrolled in the Master of Health Care Design Program at Kent State University (Kent, Ohio).

FROM THE JURY

“ Joaquim is to be commended for his leadership of a strategic plan to reshape public healthcare facilities in the State of Pará, Brazil. He influenced the move to have public health come before political interests, changing the system from the old typology to one focusing on patient and family needs. ”



Tammy Thompson,
AIA, EDAC, CLC

Tammy Thompson is a professor at Savannah College of Art & Design, where she provides a strong foundation in health facility planning and design to aspiring healthcare architects. She was named Healthcare Design magazine's "HCD 10: Association Executive" winner in 2012 and honored with Engineering News Record's Top 20 Under 40 distinction. As the president of the Institute for Patient-Centered Design, she directs its biennial innovation summit, composed of brainstorming activities held within architectural mock-ups to facilitate collaboration between health facility designers, stakeholders, clinicians, and patients. Tammy continually motivates and inspires as a patient advocate within the design profession.

FROM THE JURY

“ Tammy has moved the needle in the education of healthcare architects by connecting her students with actual patients and clinicians. Her creation and direction of the Patient Experience Simulation Lab has had an important impact throughout the world of healthcare design. ”

RECOMMEND an individual for the U40 award next year when nominations open in early 2017. Please direct all inquiries to nextgeneration.aia@gmail.com.



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at aia.org/aaah

AIA/AAH Healthcare Design Awards 2017

Call for Entries

The AIA Academy of Architecture for Health annually showcases the best of healthcare building design and design-oriented research.

Submissions open January 2017.

aia.org/aahawards

Project name: Kaiser
Permanente, Kraemer Radiation
Oncology Center
Photography: Bruce Damonte
Drawing/plans: Yazdani Studio of
Cannon Design
Architect: Yazdani Studio of
Cannon Design

Academy of
Architecture for Health
an **AIA** Knowledge Community



The American
Institute
of Architects