



Sanford Consortium

FOR REGENERATIVE MEDICINE



Imagine the Possibilities. Accelerate the Solutions.

The Sanford Consortium for Regenerative Medicine combines the intellectual capital of five world-class biomedical research institutions to pursue collaborative research projects in stem cell science that advance the search for breakthrough cures. The Consortium, an independent 501(c)(3) organization, will unite San Diego's top researchers under the single roof of a "Collaboratory," a \$127 million facility that provides 150,000 square feet of spaces specifically designed to support both focused individual and collaborative team research.

Current Collaborating Organizations



UC San Diego



Science Vision

- Promote collaborations between biologists, physicians, engineers, physicists, chemists, computer scientists, and ethicists.
- Invent the next generation of tools and instrumentation.
- Recruit and train the next generation of scientists whose approach to solving medical problems is interdisciplinary.
- Develop a communications and outreach effort that informs and educates the public about our scientific and medical progress and aspirations.



a catalyst for . . .
imagin[ase]on
collabor[ase]on
innov[ase]on

[cat·a·lyst]

an agent that
provokes or
speeds significant
change or action



Collaboratory

The Sanford Consortium is a new kind of space for science. The two principles that drove the architecture and design were: Imagine the Possibilities, and Accelerate the Solutions. At every stop on this tour, you will see how those principles came together to create a building that is:

Functional Flexible Innovative

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Collaboratory Tour

Collaboration happens... or it doesn't. Collaborations form from the bottom up, not top down. Sanford aims to catalyze collaboration by setting conditions necessary for collaborations to form and flourish. To that end the design is meant to maximize proximity; create diverse interaction spaces; deploy easy to use illustration tools and create space types that accommodate individual as well as interactive work.

#8 Pods **Balance of interaction and solitude**

Alone but connected, an airy retreat meant to afford faculty space to do focused work. The use of glass enables faculty member to signal level of concentration, availability for interruption, receptiveness for interaction.

#3 Southwest Corner **Team/Hoteling/Brainstorming**

Three distinctly styled and furnished collaboration spaces... note the round table for 'democratic', 'safe' team meetings; a "dot.com" styled assertive, independent thinking, free-form brainstorming room; and 'land don't plant' hoteling spaces. Glass walls are meant to enhance availability, proximity...build sense of community.

#1 Bistro 2880 **Food 4 Thought**

Bistro 2880 is where we nourish scientists to fuel science. Airy open, indoor/outdoor spaces, with writable tables designed to encourage quick forming formal and informal groups.



TORREY PINES GLIDERPORT

PACIFIC OCEAN

#7 Northwest Area Formal/Quiet Conferencing

The ‘quiet’ end of the Collaboratory includes a formal conference room that supports traditional, hierarchical meetings and, given the video conferencing capabilities, can be geographically boundaryless; and a quiet writing/reading room that supports individual and solitary work. Closely connected is the pooled administrative space – “No Hierarchies, No Silos”.

#6 Laboratory Neighborhood Welcome to the Neighborhood

Each floor has four “neighborhoods,” one in each corner of the building. Like all neighborhoods, these areas promote a sense of community and a shared mission.

The heart of each neighborhood is its laboratory ...a naturally lit open project area, with flexible casework to accommodate changing science. Take a test drive in a new kind of lab chair.

#5 Vertical Circulation Creative Collisions

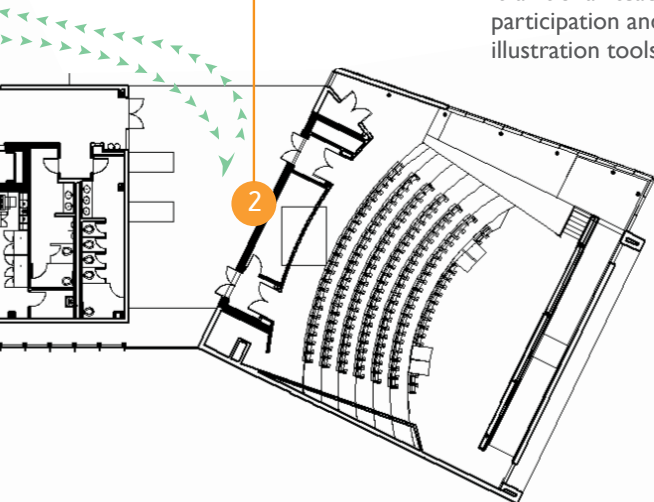
Proximity is the surest predictor of interactions. In most design, floors are disconnected. These spaces are designed to create visual connections between floors and pivotal connections among people. They are also meant to be ‘fun’ social spaces...to offer respite and opportunities for casual interactions, informal communications, and jotting down ideas on the writeboard walls.

#4 Central Spine / LER Sustainability and Circulation

The Collaboratory features the latest in ‘Green’ construction materials, mechanical equipment and systems – including an uninterrupted power supply (with an emergency generator) to ensure constant operation of large equipment and critical activities. Designed for sustainability, the Collaboratory has earned a LEED Gold designation from the US Green Building Council. Also, the LER is a strong central path through a functional space ...intended to cause collisions, new connections and interactions.

#2 Auditorium Reach Out & Communicate

A 150-seat group interaction space useful to train the next generation of scientists and to engage the community. A ‘traditional’ teaching space that is sized to encourage interaction, participation and contribution. It is fully equipped with easy to use illustration tools and web production capability.



Why the Collaboratory?

In the late 90's the growth of the Internet heralded the 'Death of Distance'. However, it turns out, when it comes to collaboration, Distance Matters!

Co-location is vitally important to enable like-minded people who are working to create, share and use knowledge to achieve a shared goal...in other words, to collaborate.

That is because knowledge... comprising know-how, intuition, memory, internalized experience... cannot be stored in databases, it is stored in our heads.

Knowledge is what we know. And we know way more than we can tell. We can tell what is, but we need to illustrate, demonstrate, show what we know.

So collaboration happens best face-to-face. Distance really does matter!



▲ A Green Outlook



▲ Bistro 2880



▼ Pod

▲ Auditorium





▲ Laboratory Neighborhood

Collaboration is vital to hasten the pace of progress in science. SANFORD is the only organization anywhere in the world created expressly to lower any and all barriers to inter-institutional and interdisciplinary collaboration among scientists. The Collaboratory is intended to house biologists, chemists, technologists, bioengineers, computer scientists and clinicians in open laboratories and is designed to facilitate and encourage collaboration among them as required to translate the basic understanding of stem cell science into tools useful to diagnose and treat human disease.



Our purpose...

...to build a new research Collaboratory...

...to catalyze multi-disciplinary collaboration...

...to lead to the development of cures, therapies, diagnostics and
research tools and technologies.



Imagine the Possibilities. Accelerate the Solutions.



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