

**An Invitation  
to Co-Create  
The Next Phase**

**The UC Davis  
GATEways  
Project**

January 2017

**UC DAVIS**



**21st Century University**  
Creating Communities of Learners  
Who Seek to Engage and Make a Difference

# The UC Davis GATEways Project

The GATEways Project (Gardens, Arts, and The Environment) is completing its first phase. The final major capital projects are underway. Now, it's time to co-create the delivery system that will take the lessons of UC Davis to the world. As we do, we can seize an important opportunity to leverage our successes and bring the world back home to UC Davis as a part of the University's plans for future development efforts.

After five years of the UC Davis Arboretum's success in building the GATEways Project, Assistant Vice Chancellor and Arboretum Director Kathleen Socolofsky was asked to lead a new, innovative unit that combined the Arboretum, Grounds & Landscape Services, and the Putah Creek Riparian Reserve into a 21st Century public garden. Through the expertise of the "UC Davis Arboretum and Public Garden," the GATEways Project is growing throughout campus and beyond.

UC Davis GATEways Project communicates UC Davis' excellence by connecting the academic enterprise with the public it serves and demonstrating solutions to worldwide problems.

GATEways transforms abstract ideas into real-world solutions and puts students in the forefront of implementing them. Students are engaged, they get to use their brains and their hands, and develop the skill sets needed to compete in an increasingly complex future, and UC Davis becomes a 21st Century University by doing it.

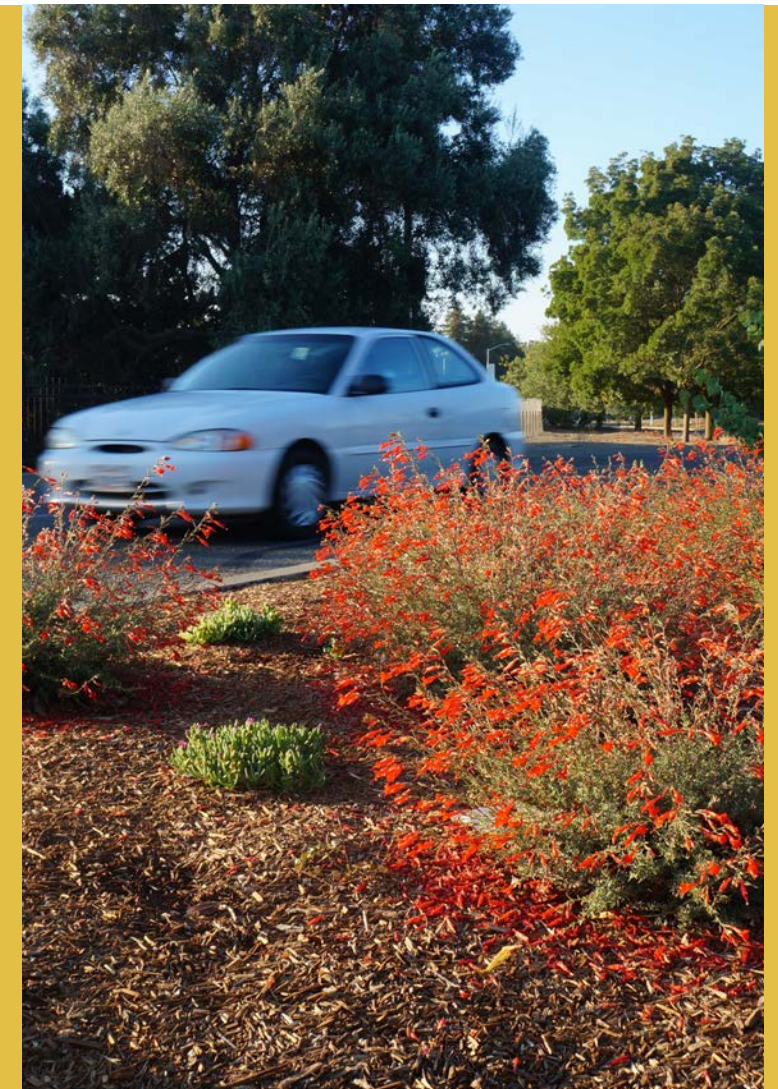
UC Davis GATEways Project is living proof of a public institution doing the right thing for sustainability while saving resources and creating value.

As a 21st Century University, UC Davis has a *moral obligation to lead and a responsibility for stewardship of public resources in its operations*. The GATEways Project gives UC Davis the opportunity to lead by creating a new model for both the public garden and the university and public landscape of the future.

**UC Davis GATEways Project has a transformational impact.**

By upending top-down models for learning, leadership, and visitor experience, the GATEways Project focuses on opportunities for co-creation. *Students and partners who co-create carry UC Davis' solutions to environmental, climate, water, and food issues with them, and that can change everything.*

Since 2006, the UC Davis GATEways Project has become an important portal for engagement at every level, recognized by the Smithsonian, American Public Gardens Association, Society for College and University Planning, and Professional Grounds Management Society.



GATEways Gardens use programs, like Learning by Leading, to develop and build landscapes that put UC Davis science into practice while, at the same time, creating future leaders that carry UC Davis' work to address the issues of our times out into the world.

Learning and innovation skills are what distinguish UC Davis graduates who are prepared for increasingly complex life and work environments in today's world.

The most important among them are:

- Creativity and innovation
- Critical thinking and problem solving
- Communication and collaboration

UC Davis students are using these very skills to help the GATEways Project develop many of the GATEways Gardens themselves.

This publication was sponsored by the UC Davis Hewitt-Pinkerton Initiative Fund and the Excelerate Foundation in support of the development of the GATEways Project and the Elizabeth M. Wolf Environmental Learning Center.

GATEways projects, like landscape conversions, address basic sustainability issues in a resource-constrained world.

UC Davis has know-how, but we have to lead by doing. This means creating the model mandates for 21st Century public landscapes, specifically:

- Reducing water use
- Eliminating pesticides and herbicides
- Reducing runoff
- Nurturing pollinators

The longterm benefits of resource savings, labor savings, and reducing the environmental costs of horticulture make it cost-effective to deliver these values.

## The GATEways Project engages thought leaders in its newest plans



Peter Raven (center) with UC Davis Arboretum and Public Garden leaders.

### Peter Raven

*National Medal of Science Winner, Time Magazine Hero for the Planet, MacArthur Fellow*

This initiative is something that has not been done anywhere else before. This work is so important: everyone all over the world is wondering how to re-form the way people live and re-form how they make connections to the natural world. The GATEways Project promises to celebrate the merging or common interests of the basic sciences, environmental sciences, agriculture, horticulture, medicine, arts and sciences, and all aspects of culture.... With its immense scientific resources, UC Davis can be a global leader to guide us in how we might best adapt to climate change at all levels: international, national, and local.

### Howard-Yana Shapiro

*Chief Agricultural Officer, Mars Advanced Research Institute Fellow, Mars Incorporated; Senior Fellow, Plant Sciences, College of Agricultural & Environmental Sciences; Science Advisor, MIT Media Lab; Distinguished Fellow, The World Agroforestry Centre, Nairobi, Kenya*

Great universities are made up of many parts. Teaching, research and leading in the creation of a sustainable future. It is the totality of experiences that makes UC Davis amongst the great universities. An extraordinary part of the UC Davis persona is the UC Davis Arboretum and Public Garden and the GATEways Project. To have a refuge is essential for every great university. Students, faculty, the community and guests to the campus are struck by UC Davis' wisdom to integrate the Arboretum into the daily lives of all.

### Steve Glennon

*President, CEO and COO, award-winning landscape contractor Cagwin & Dorward*

We are impressed with the work you are doing with sustainable landscape management techniques. Traditional landscape management methods are poisoning the planet, and we all must find a better way.

### Ernie Lewis

*Vice President, Friends of UC Davis Arboretum and Public Garden Board; Secretary, Excelerate Foundation Board of Directors; Associate Dean for Medical Education Emeritus, UC Davis School of Medicine; GATEways Planning Council*

To be doing this "place-making," while also building new Learning by Leading programs that leverage the strength of the university as a place that integrates research with lifelong learning is terrific, but to be empowering students to move into leadership roles so that the next generation can work together with us on big problems like water conservation, adapting to climate change, and all the unforeseen challenges that are ahead: that is inspiring!

### William Jordan III

*Director, New Academy for Nature and Culture; Founder, Society for Ecological Restoration*

It was exciting to see the engagement of so many disciplines working on advancing a shared dream of transforming not only student learning, but the face of UC Davis itself: how you learn, how you manage land, how you understand and relate to the natural world. My work in restoration ecology has led me to believe that the most promising approach to ecological stewardship may be a new and more integrated path, than through science alone.

### Davis Campbell

*UC Davis Foundation Board; UC Davis School of Education Board of Advisors; Stuart Foundation Trustee; Former Executive Director, California School Boards Association; GATEways Planning Council*

In many ways the Arboretum and Public Garden reflects UC Davis' commitment to integrate the earth's culture and environment into every aspect of University life. The GATEways and the Learning by Leading projects are great examples of how the Arboretum is integrated into and directly supportive of the University's academic and community support and engagement mission. Being involved and assisting in the development of these programs has been a most exciting and rewarding experience. It reflects everything that is great about the University.



Jack Dangermond with Mary Burke, Director of Conservation & Environmental Leadership, UC Davis Arboretum and Public Garden.

### Jack Dangermond

*Founder and CEO of the worldwide mapping phenomenon ESRI, Audubon Medal Winner*

I have never witnessed the kind of deep commitment and working across disciplines that I have seen at UC Davis, as you work together to create this new idea of what a university can be: for its students, for its faculty, and for the community you serve. With its strength in the environmental sciences and the humanities, it is natural that UC Davis, with leadership from the Arboretum and Public Garden, would step forward as a trailblazer with this kind of innovative effort to engage an entire community, at every level.

Alert 56°  
Sign In | Subscribe  
FULL MENU NEWS SPORTS ENTERTAINMENT CLASSIFIEDS

## Water-wise garden success starts in fall

HIGHLIGHTS  
Plant now to let perennials and shrubs put down deep roots  
UC Davis experts test lower limits of irrigation needs  
Arboretum All-Stars collection celebrates 10th anniversary with sales

Wayne Roderick seaside daisies have loads of beautiful pink flowers and require little water. It's another UC Davis Arboretum All-Star. **Ellen Zagory** - Special to The Bee

BY DEBBIE ARRINGTON  
darrington@sacbee.com

It's transformation time for that dead brown lawn. Want a beautiful water-wise landscape

**GATEways products and services, like the Arboretum All-Stars and Teaching Nursery, have a transformational impact—first on our region, then on our state, and finally on the world.**

The list of GATEways Project partners already runs to eight pages. It includes UC Davis standout students, faculty, administrators, and colleges. But beyond our campus and regional community, it now reaches:

- Thought leaders
- Major worldwide foundations
- Multinational corporate leaders
- Local, state, and federal government agencies

**They partner with GATEways because we engage them to co-create the solutions to the problems we are working on.**

**Case Study:  
PLACE + PROGRAM = IMPACT**

**Kathleen Socolofsky, Assistant Vice Chancellor  
Director, UC Davis Arboretum and Public Garden  
Winner 2014 National Prize for Leadership  
Excellence**



**Here's What the Exceleerate Foundation Told Us  
About Ourselves:**

*Your model of co-creation will attract major funders who want to be part of the solution to the problems you are working.*

The Arboretum and Public Garden practices a vertically integrated model of engagement, injecting student, stakeholder, and community collaboration into every aspect of the projects and programs it undertakes from concept to final celebration.

**This model of engagement is its theory of change.**  
The components are:

- co-creation
- collaboration
- leadership skill development
- learning organization methods
- strengths-based teams
- experimentation and piloting
- scaffolding learners to more advanced levels
- leading and managing real projects

By building leaders to solve real-world problems the Arboretum and Public Garden is able to take on issues that absolutely have to be fixed:

- climate change
- biodiversity
- water conservation
- sustainable horticulture
- public engagement in creating solutions

Student leaders who implement Learning by Leading projects succeed. They scale up their lessons and apply them as young leaders in the community and the world. They create real-world solutions with measurable impact. Their style of engagement and co-creation also has legs, in turn nurturing new leaders in every team they create.



**Kathleen receives the National Prize for Leadership in 2014**

*“The gardens created through Learning by Leading as a part of the GATEways Project are much more than places, they are outcomes of this engagement model and are essential to taking that model to our region, to our nation, and to the world. That is why the Learning by Leading Academy MUST be sited at UC Davis.”*

**Ernie Lewis**  
Exceleerate Board Member

“The work you are doing is far more important than I thought.... The students completely blew me away ... but then I realized ‘this is UC Davis. Of course, there will be people here who are educational leaders, working a deep problem, at a deep philosophical level.’ You are so much more than a garden or a park.”

**Alex Sloan**  
Exceleerate Board Member,  
Director of Strategic Partnerships-Tides, former Director of Innovation Investments-Skoll Foundation

## A Decade of Investment and Results

The UC Davis GATEways Projects engages students, faculty, staff, and the community and represents a co-investment that is a credit to the UC Davis Arboretum and Public Garden’s philosophy of co-creation. Here are some highlights from the last 10 years:

Results	Partners	Investment
<b>GATEway Gardens</b>		
Native American Contemplative Garden	Provost’s Office, Environmental Planning, College of L&S: HARCS, Native American Studies, Campus Planning, Patwin tribal members, student interns, volunteers	\$214,000
Geology GATEway Garden: California Rock Garden	Provost’s Office, Design and Construction Management (DCM), Campus Planning, College of L&S: Dept of Earth & Planetary Sciences, alumni, student interns, volunteers, donors	\$128,000
Nature’s Gallery Court	Provost’s Office, College of A&ES, Art-Science Fusion Program, Campus Planning, volunteers and donors	\$148,400
Peter J. Shields Oak Grove Enhancements	Provost’s Office, College of A&ES, Art-Science Fusion Program, Campus Planning, Institute of Museum and Library Services (IMLS), Museum of Wildlife & Fish Biology, volunteers and donors, Agraquest, student interns, American Public Gardens Association, International Oak Society	\$391,450
Animal Science GATEway Garden	College of A&ES, Animal Science, IMLS, Campus Planning, volunteers, student interns	\$271,430
Edible Landscapes: Good Life Garden, Salad Bowl Garden, Health and Wellness Garden	Campus Planning, College of A&ES, Mondavi Institute for Wine & Food Science, Honey & Pollination Center, Student Food Pantry, Seeds of Change/Mars Incorporated, student interns	N/A
Arboretum GATEway Garden	Campus Planning, IMLS, City of Davis, California Strategic Growth Council (Prop 84), foundation grants, Tree Davis, Yolo County RCD, Community Built Association, local business partners, many UCD academic depts., volunteers and donors, student interns	\$1,649,557
Arboretum Teaching Nursery and All-Star Landscape	Campus Planning, DCM, donors and volunteers, Stanley Smith Horticultural Trust, CA Center for Urban Horticulture	\$1,000,000
	<b>Total</b>	<b>\$3,802,837</b>
<b>GATEways Landscape Conversions</b>		
La Rue Median	VC-CFO Office for Finance, Operations and Administration, Administrative and Resource Management, Campus Planning	\$112,000
Old Davis Road Extension and Arboretum Drive Enhancement	Campus Planning, Transportation and Parking Services (TAPS), DCM, volunteers	\$2,911,000
Mrak Circle	Campus Planning, Offices of the Chancellor and Provost, volunteers, student interns	\$2,500
Garrod Drive and Putah Creek Lodge Parking Lot Expansion	Campus Planning, TAPS, Environmental Health and Safety (EH&S), DCM, student service clubs, volunteers	\$3,600,000
Mrak Hall Parking Lot	Campus Planning, student interns, volunteers	\$20,000
Best Practices in Land Stewardship and Ecological Restoration: Airport, Oak Grove meadow, turtle habitat area, Arboretum bank restoration, Vet Med 3B field	EH&S, TAPS, DCM, Utilities, student interns	\$26,500
	<b>Total</b>	<b>\$6,672,000</b>
<b>GATEways Projects and Programs</b>		
GATEways Task Force	Provost’s Office, Provost Virginia Hinshaw, 2006-2009	\$500,000
Learning by Leading Program	Foundations, Robert and Lorraine Wolf Trust, GATEways Planning Council, Cagwin & Dorward Landscape Contractors, Seeds of Change/Mars Incorporated, community donors	over \$2,960,000
Fundraising Program (some donations also reported in projects above)	Friends of the UC Davis Arboretum and Public Garden*, GATEways Planning Council, Warren G. Roberts Arboretum Legacy Society, Foundations, individual donors	over \$4,000,000
Plant Sales Program	Friends of the UC Davis Arboretum and Public Garden, Botanical Conservatory, Whole Foods Market, Davis, CA Center for Urban Horticulture, community outreach partners	over \$1,770,000
Membership Program	Friends of the UC Davis Arboretum and Public Garden, nursery partners	over \$740,000
Volunteer Program	Friends of the UC Davis Arboretum and Public Garden, Stuart Foundation, local and regional community members	equivalent of over \$3,000,000
Grants (some grants also reported in projects above)	IMLS, NSF, California Strategic Growth Council (CA Prop 84), Stanley Smith Horticultural Trust, Elvenia J. Slosson Fund for Ornamental Horticulture, Saratoga Horticultural Research Endowment and others	over \$2,400,000

\* Note: the Friends group is designated a Chancellor’s Laureate for donating over \$1 million to UC Davis

# The UC Davis GATEways Project

## Sustainable Landscape Conversions



**Landscape Conversion  
Russell Ranch**



**Healing Patch  
Garden**



**Salad Bowl Garden**



**Arboretum Gateway  
Garden**

## Students in the Lead Waterway Rebirth



The greatest problem in the UC Davis landscape, and certainly the most visible one, the Putah Creek waterway will be rehabilitated in the next phase of the GATEways Project.



Storm water is a serious real-world problem. GATEways is giving me the chance to do real engineering as a student. It will make me a better engineer.

**Kevin Bowers**  
*Learning by Leading participant,  
UC Davis Mechanical Engineering Student*



**Landscape Conversion  
Davis Airport**



**Landscape Conversion  
La Rue Median**



**Geology GATEway  
Garden: California  
Rock Garden**

**Animal Science  
GATEway Garden**

**Native American  
Contemplative Garden**

## Students in the Lead Environmental GATEway



This entryway demonstrates UC Davis' best in environmental science, engagement, and excellence.



I am creating a garden that shows how we can save pollinators. It's a worldwide problem we're taking on right here in a setting where we can show others how to do it, too.

**Allyson Ayalon**  
*Learning by Leading participant;  
2015 recipient, Garden Club of America  
Hope Goddard Iselin Fellowship in Public Horticulture*



**Peter J. Shields  
Oak Grove**



**Nature's Gallery Court**



**Arboretum Teaching  
Nursery and All-Stars  
Landscape**



**Good Life Garden**

## Students in the Lead

Learning by Leading Program and Learning by Leading Academy

Through Learning by Leading, UC Davis students are trained and tested in clearly articulated 21st century skills and graduate as young leaders, effective team members, experienced project managers, and top-notch communicators. The Academy is the next step, scaling the program up to reach the region and the world.



Learning by Leading equips me to start running projects right now, while I am still a student. When I graduate, I will be able to make a real difference in the world, because I started to make a real-world difference here at UC Davis.

**Naftali Moed**  
*former Student Assistant to the UC Davis Chancellor,  
VC-CFO Fellow, Leadership Intern-Learning by Leading Program*

## Co-creation and Engagement at Every Level



**Engagement in planning and goal setting**



**Engagement in implementation**



**Engagement in celebration**



**Engagement in impact**



### GATEways Educational Events

Walking in the Woods with Chemistry  
Wednesday Walk with Warren  
Storytime through the Seasons  
Relaxation Day in the Arboretum  
Collection Talks  
Native California Programs  
Nature Drop-in Days



### Public Events

Picnic Day  
Plant Sales  
Whole Earth Festival  
Parents Weekends  
Music Events  
Theater Events  
Open Mic Nights



### Hosting

Cultural Diversity Days  
Academic Ceremonies  
Donor Events  
Student Events  
Faculty, Admissions, Recruitment Tours  
VIP Visits  
Biodiversity Museum Day  
Thank Goodness for Staff  
Tribute Events



### Volunteer Programs

Learning by Leading Student Interns  
Land Stewardship Volunteers  
Curatorial Volunteers  
Gardening Volunteers  
Nursery Volunteers  
Propagation Volunteers  
Education Volunteers  
Administrative Volunteers  
Friends of the UC Davis Arboretum and Public Garden  
GATEways Planning Council

## Learning by Leading

### What is Learning by Leading?

The UC Davis GATEways Project—Gardens, Arts, and The Environment—is based upon a bold premise: that *students learn best by leading*. Since 2006, a large and ever-more-engaged community of academic partners, campus leaders, undergraduate students, and community members, led by the UC Davis Arboretum and Public Garden, have worked hard to test this idea.

Now, multiple teams of Learning by Leading students, working across disciplines, are working together at UC Davis. Mentored by staff and faculty and working on real-world projects that benefit their communities, Learning by Leading students develop leadership, collaborative, and communication skills and leave UC Davis prepared to immediately engage in workplaces of the 21st century.

### How Does Learning by Leading Work?

Over the last ten years, the key components of the Learning by Leading program model have emerged. Here are how our Learning by Leading student teams work:

#### Team Focus:

Guided by our director and a Learning by Leading leadership team, student teams work in one or more of the five Learning by Leading program areas on the UC Davis campus, including:

- Naturalized Lands/Restoration
- Sustainable Horticulture
- Edible Landscaping
- Plant Conservation
- Environmental Literacy

#### Team Structure:

Each Learning by Leading student team has a staff mentor. The staff mentor works closely with two student leaders (student employee positions), and together, they recruit, train, and manage 4 to 12 interns. This staffing structure allows for shared leadership, peer teaching, and learning in a team-based setting on larger projects that promise to have significant impact.

#### Team Process:

During the execution of project work, all of our Learning by Leading students are trained in co-creation, collaboration, and leadership skill development, learning organization methods, strengths-based teams, experimentation and piloting, scaffolding learners to more advanced levels, and leading and managing real-world projects in various content areas.

#### Learning Outcomes/Impact:

21st Century Skills are gained at three clearly-defined levels that students advance through as they participate in the Learning by Leading program over multiple quarters or multiple years: Learner (beginner), Participant (middle), and Partner (advanced). Student work impacts and benefits the campus and local environment, as well as the local community.

# What's Next?

## Learning by Leading Academy for the Environment

### What is the Project?

The Learning by Leading Academy for the Environment is an Arboretum and Public Garden commitment to scale up the lessons and resources of Learning by Leading to the community and the nation. From allowing students to learn by engaging them in developing and implementing real-world solutions to real-world problems to training the trainers—exposing professionals and academics to UC Davis' resources for sustainability science—the Learning by Leading Academy is a model for partnership and problem-solving.

### What is the Investment?

Endowment created as a part of future UC Davis development campaigns.

### Who are the External Partners?

Excelerate Foundation, T.S. & K.D. Glide Foundation, Stuart Foundation, Seeds of Change/Mars Incorporated, Institute of Museum and Library Services, Friends of the UC Davis Arboretum and Public Garden, ESRI, Cagwin & Dorward Landscape Contractors, private and nonprofit donors, federal, state, and local agencies.

### How does it Mirror the Mission of UC Davis?

Students serve as our best ambassadors, sharing their authentic enthusiasm and new understandings, gained in the classroom, the studio, or the lab, with visitors and families. As they prepare to present and share with the public, they find themselves integrating multiple disciplines, leading other team members, and testing and refining ideas. All of these initiatives align with UC Davis' Vision of Excellence 2020 to:

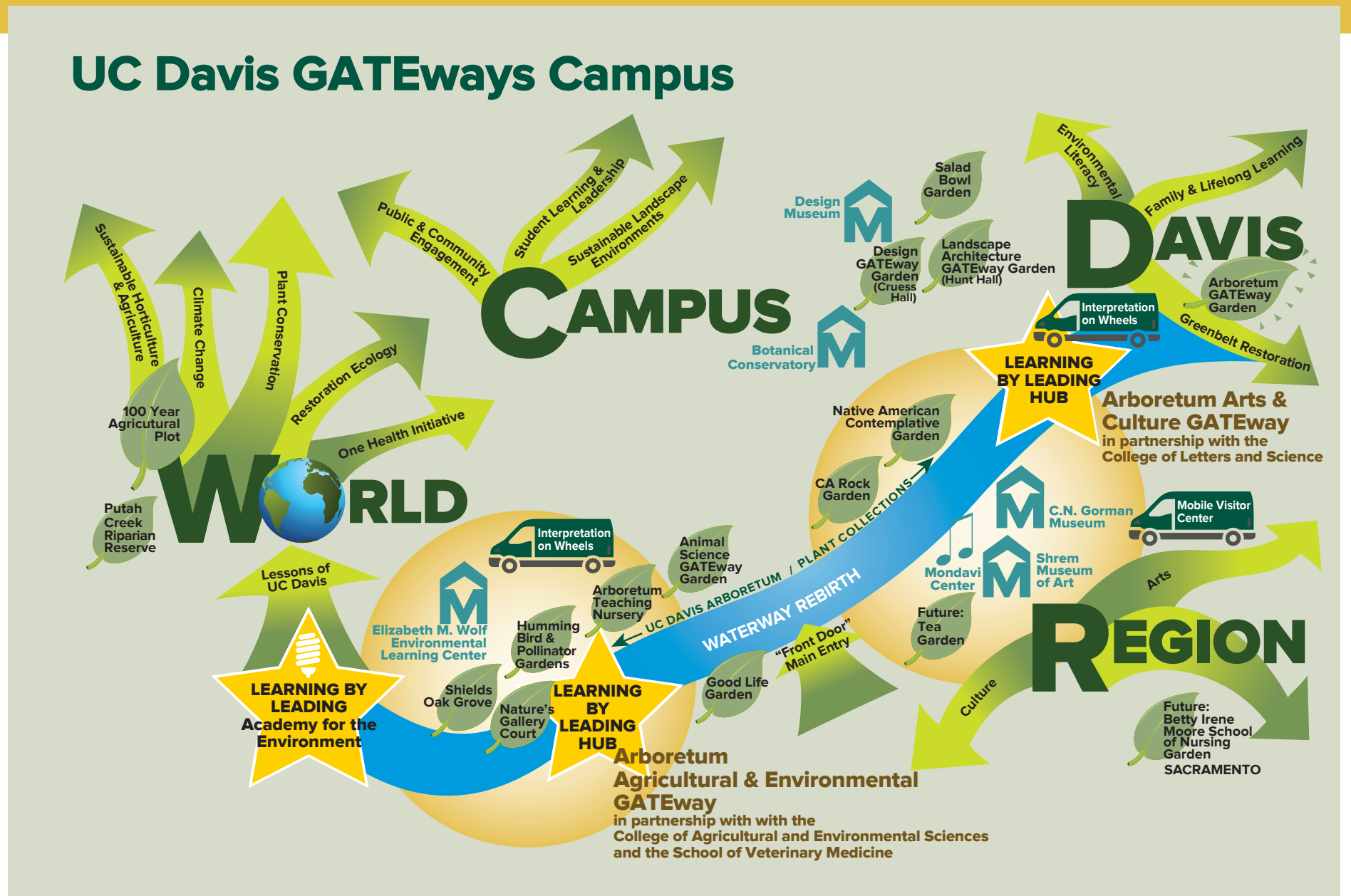
- Support programs that pair undergraduate, graduate and professional students together with faculty, alumni and community and industry leaders to provide “real-world” opportunities for learning
- Drive innovation (...and...) expand our leadership ... by creating collaborative gathering places that promote interdisciplinary discourse and a sense of a scholarly community; create physical spaces and virtual opportunities to reach across disciplines

### What are the Outcomes?

The Learning by Leading Academy for the Environment is designed to deliver on the challenge Chancellor Katehi outlined in her address, “An invitation to envision the University of the 21st Century,” when she said:

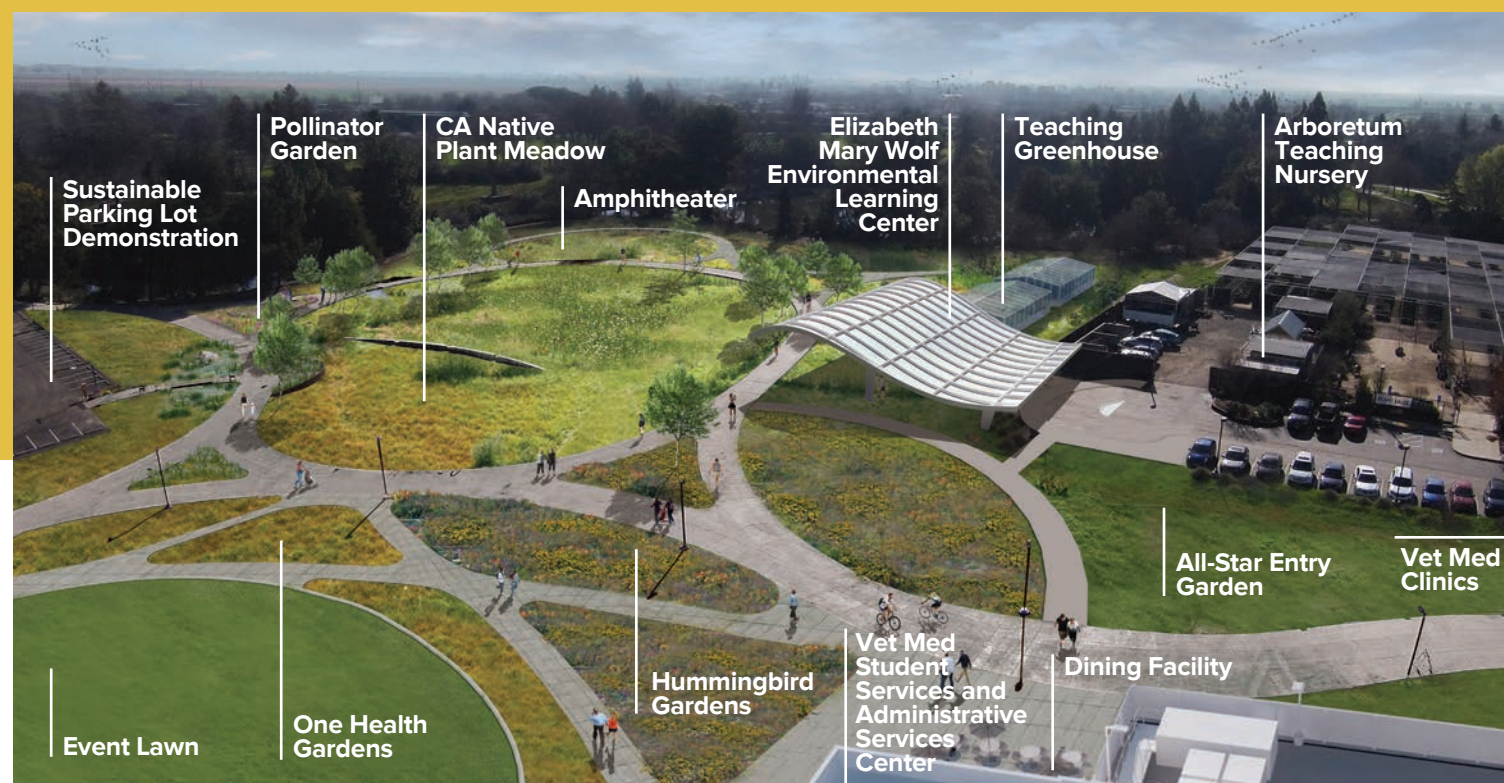
*We can be a university where our entire campus, with all its state, national and international sites, becomes our classroom and laboratory. (...) We can... redefine the University of the Future as a place where learning, teaching, and creation and translation of new knowledge are integrated into everything we do and where aspiring to achieve excellence becomes a lifestyle. We can be the first institution in the world to transform itself from the 20th century university, a community of scholars, to the 21st Century university community of learning, where we all—faculty, students, staff—use learning as a way to achieve excellence...*

Academy participants, as leaders, will also be worldwide ambassadors, taking what they have learned AND how they learned it, everywhere their future takes them.



## What's Happening Now?

### Environmental GATEway (with School of Veterinary Medicine)



#### What is the Project?

A new visitor destination in the west end of the UC Davis Arboretum, complete with much-needed access, visitor amenities, and garden exhibits promoting plants and sustainable practices that improve the health of the environment. This area will be a beautiful and engaging setting for innovative public programs, in partnership with the School of Veterinary Medicine, that inspires visitors to gain greater awareness of themselves as part of the total living ecosystem through the global One Health Initiative (connections between animal, human, and environmental health).

The project includes the Elizabeth M. Wolf Environmental Learning Center, the future home of the Learning by Leading Academy for the Environment.

#### What is the Investment?

Millions in construction funds from TAPS, Dining Services, and the School of Veterinary Medicine capital improvement project for food services, sustainable landscapes, circulation, flood control, and parking. \$2 million bequest for the Elizabeth M. Wolf Environmental Learning Center.

#### Who are the Partners?

UC Davis School of Veterinary Medicine, UC Davis Campus Planning, UC Davis Dining Services, TAPS, UC Davis Housing, T.S. & K.D. Glide Foundation, Robert and Lorraine Wolf Trust, GATEways Planning Council.

#### What are the Outcomes?

Integration of the School of Veterinary Medicine's unique focus on global health and wildlife conservation with the Arboretum and Public Garden's strengths of co-creation and sustainable horticulture to create new exhibits and programs. Improving access to the Arboretum and Public Garden. Creating learning facilities to teach essential skills in environmental management and leadership to the next generation of environmental stewards so they can apply best practices from UC Davis to promote sustainable landscape and wildlife-enhancing designs at other locations and in their future careers.



## What's Happening Now?

### Waterway Rebirth



#### What is the Project?

The project will transform the Arboretum Waterway from a stagnant storm water pond to one with restored flow and vibrant riparian habitat using both engineered and natural solutions.

#### What Investment is Needed?

\$14 million: phases 1 and 2 on the upper reaches will be funded from existing remediation funds. For phase 3, we will seek funding from a combination of federal and state agencies with grants for water quality leadership and wetlands restoration and management.

#### Who are the Partners?

VC-CFO Deferred Maintenance Program, federal, state, and local water and wildlife agencies.

#### What are the Outcomes?

The waterway will be transformed from an unacceptable and unpleasant condition to a model of water and storm water management for the UC Davis Arboretum and Public Garden, and the UC Davis campus. The methods employed will demonstrate best practices for storm water management, habitat management, and environmental leadership.





## The UC Davis GATEways Campus

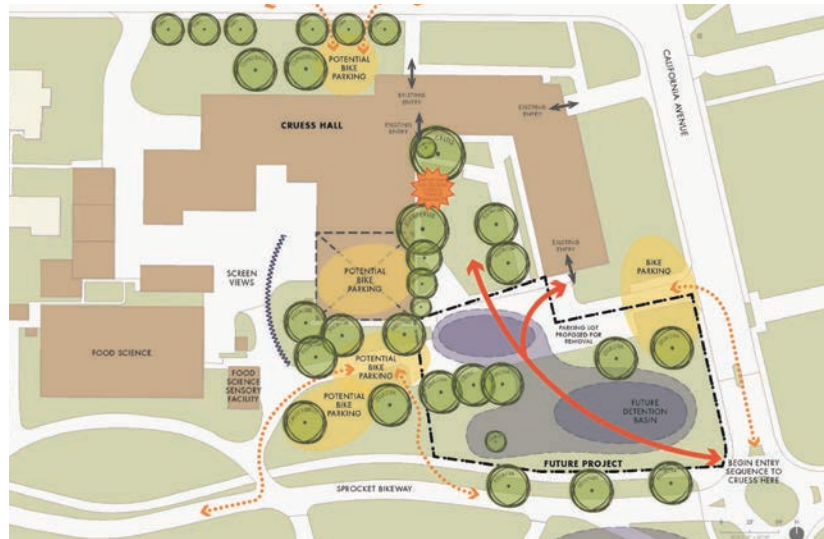
The Arboretum and Public Garden's GATEways Project has developed a model for transforming campus environments in partnership with students, faculty, staff and the public that we serve. With the UC Davis GATEways Campus idea, we are scaling up the GATEways model to include the whole university in its academic and environmental diversity (see graphic on page 6). The UC Davis GATEways Campus has three inseparable parts: student learning and leadership, public and community engagement, and re-creating the campus as a sustainable environment adapted for a changing climate.

Re-envisioning the UC Davis campus for the 21st century will deliver results that benefit our planet and our university by **educating empowered leaders who have the knowledge and experience to help communities and environments thrive in the midst of environmental challenges.**

## Future GATEways Projects



Landscape Architecture GATEway Garden at Hunt Hall (underway)



Design GATEway Garden at Cruess Hall



Wyatt Deck Learning by Leading Hub and Community Engagement Center in partnership with the CN Gorman Museum (Native American Studies)



GATEway Garden partnership with the Betty Irene Moore School of Nursing



Agricultural Sustainability Institute Partnership

## Recognitions for the GATEways Project and its Leaders

### 2016

Society for College and University Planning Presentation: *Campus As Public Garden: Co-Creation Advances Learning, Engagement and Sustainability*  
Tree Campus USA-Arbor Day Foundation  
Level IV Accreditation-ArbNet Arboretum Accreditation Program

### 2015

American Public Gardens Association Presentation: *Connecting with Campus Planning and University Leadership*  
American Public Gardens Association Presentation: *Leading Organizational Change*  
Community Service Gold Award-UC Davis  
President's Award-Professional Grounds Management Society  
Tree Campus USA-Arbor Day Foundation  
Level IV Accreditation-ArbNet Arboretum Accreditation Program

### 2014

National Prize for Leadership-Excelerate Foundation  
Smithsonian Gardens Presentation: *Enhancing the Garden Visitor Experience: The Power of Co-Creation*  
Presidential Volunteer Service Award-President of the United States  
4 out of 4 Star Rating-Professional Grounds Management Society  
Level IV Accreditation-ArbNet Arboretum Accreditation Program  
Tree Campus USA-Arbor Day Foundation  
Chancellor's STAR Award-UC Davis  
Community Service Gold Award-UC Davis  
Citation of Excellence Honorable Mention for Grounds and Landscape Services Supervisors-UC Davis Staff Assembly  
Student Employee of the Year-UC Davis  
Campus Safety Star Award-UC Davis

### 2013

Non-Profit Leader of the Year-California Institute for Biodiversity  
Level IV Accreditation-ArbNet Arboretum Accreditation Program  
Tree Campus USA-Arbor Day Foundation  
Chancellor's STAR Award-UC Davis

### 2012

Landscape Design Commendations-California Landscape Design Council, California Garden Clubs  
Level IV Accreditation ArbNet Arboretum Accreditation Program  
Tree Campus USA-Arbor Day Foundation  
Award of Distinction-UC Davis College of Agriculture and Environmental Sciences

### 2010

Special Achievement in GIS Award-Esri International User Conference  
Tree Campus USA-Arbor Day Foundation

### 2009

Award of Distinction, Community Volunteer-UC Davis College of Agricultural and Environmental Sciences  
Tree Campus USA-Arbor Day Foundation

### 2008

Environmental Recognition Award-City of Davis  
Service to Society Award-UC Davis Office of Administration  
Tree Campus USA-Arbor Day Foundation

### 2007

Effective & Innovative Practices Award-APPA  
Professional Citation-American Public Gardens Association  
Chancellor's Laureate Society-UC Davis  
Collaboration Award-UC Davis Office of Administration  
Tree Campus USA-Arbor Day Foundation

## Highlights: 10 Years of GATEways Co-creators and Partners



### Campus Leadership, Current and Former Members

Linda Katehi, Chancellor  
Larry Vanderhoef, Chancellor Emeritus  
Ralph Hexter, Provost  
Virginia Hinshaw, Former Provost  
John Meyer, Former Vice Chancellor, Administrative and Resource Management  
Winston Ko, Retired Dean, College of Letters & Sciences, Division of Mathematical and Physical Sciences  
Helene Dillard, Dean, College of Agricultural and Environmental Sciences  
Neal Van Alfen, Former Dean, College of Agricultural and Environmental Sciences  
Michael Lairmore, Dean, School of Veterinary Medicine  
Edwin Lewis, Associate Dean for Agricultural Sciences, College of Agricultural and Environmental Sciences  
James MacDonald, former Executive Associate Dean, College of Agricultural and Environmental Sciences  
Diane Ullman, Former Associate Dean, College of Agricultural and Environmental Sciences  
Michael Reid, Retired Associate Dean, UC Agriculture and Natural Resources  
Heather M. Young, Associate Vice Chancellor, Betty Irene Moore School of Nursing  
Harold Levine, Dean, School of Education  
Shaun Keister, Vice Chancellor, Development and Alumni Relations  
Dennis Pendleton, Former Dean, University Extension

Bill Lacy, Former Vice Provost, University Outreach and International Programs  
Jessie Ann Owens, Former Dean, College of Letters and Sciences, Division of Humanities, Arts and Cultural Studies

### GATEways Planning Council

Bret Hewitt, Chair; Principal, CxORE; Member, UC Davis College of Letters & Science Deans' Advisory Council; Retired Managing Director at Cambridge Associates; Former Member, UC Davis Foundation Board of Trustees  
Davis Campbell, UC Davis Foundation Board; UC Davis School of Education Board of Advisors; Stuart Foundation Trustee; Former Executive Director, California School Boards Association  
Jan Campbell, Volunteer, UC Davis Arboretum and Public Garden Teaching Nursery  
John Crowe, Professor of Molecular and Cellular Biology Emeritus; UC Davis Director of Center for Stabilization Emeritus; UC Davis Chairman of the Board, Mondavi Center for the Performing Arts, 2005-2011  
Lois Crowe, Member at Large, Friends of the UC Davis Arboretum and Public Garden Board; Former Trustee, UC Davis Foundation; Former Member, Mondavi Center Advisory Board; Former Member, Friends of the Mondavi Center Board  
Bob Gregoire, CEO, CxORE; Member, March of Dimes Greater Capital Division Board; Former Managing Principal, Viewco, LLC; Former Interim CEO, Make-A-Wish Foundation of Sacramento and Northeastern California; Former Facilities Manager, Desert Botanical Garden  
Ernie Lewis, Vice President, Friends of UC Davis Arboretum and Public Garden Board; Secretary, Excelerate Foundation Board of Directors; Associate Dean for Medical Education Emeritus, UC Davis School of Medicine  
Mary Ann Lewis, Active Community Volunteer  
Eldridge Moores, Distinguished Professor of Earth and Planetary Science; Past President, Geological Society of America; Distinguished Professor Emeritus Award  
Judy Moores, Long-time Community Volunteer, Cool Davis Foundation Board Member  
Rich Naval, Owner, Naval Sports and Family Chiropractic  
Deb Pinkerton, Retired Classroom, Theater and Outdoors Teacher; Original Head of Education, UC Davis Arboretum  
Warren Roberts, UC Davis Arboretum Superintendent Emeritus; Member at Large, Friends of the UC Davis Arboretum and Public Garden Board; Botanical Editor International Plant Propagation Society, Past President, California Horticultural Society  
Howard-Yana Shapiro, Chief Agricultural Officer, Mars Advanced Research Institute Fellow, Mars Incorporated; Senior Fellow, Plant Sciences, College of Agricultural & Environmental Sciences; Science Advisor, MIT Media Lab; Distinguished Fellow, The World Agroforestry Centre, Nairobi, Kenya  
Nancy Shapiro, Member at Large and GATEways Creative Partner, Friends of the UC Davis Arboretum and Public Garden Board

### GATEways Academic Partners

Heidi Ballard, Professor, School of Education  
Donna Billick, Retired Lecturer, Science and Society; Cofounder, Art-Science Fusion Institute  
Walter Boyce, Former Director, Wildlife Health Center; Professor, School of Veterinary Medicine  
Katharine Burnett, Co-Chair, Art and Art History; Director, East Asian Studies Program  
Eric Conn, Professor Emeritus, Environmental Toxicology  
Jeannie Darby, Professor, Civil and Environmental Engineering  
Mary Delaney, Former Chair, Animal Science  
John Eadie, Chair, Wildlife, Fish, and Conservation Biology  
Dave Fujino, Executive Director, California Center for Urban Horticulture  
Melissa Gable, Director, UC Master Gardener Program  
Steve Greco, Chair, Landscape Architecture and Environmental Design  
Ted Grosholz, Professor, Environmental Science and Policy  
Alan Hastings, Distinguished Professor, Environmental Science and Policy  
Andrew B. Hargadon, Professor of Technology Management, Graduate School of Management  
Inés Hernández-Avila, Professor, Native American Studies  
Robin Hill, Professor, Art Studio  
Annie King, Former Associate Dean, College of Agricultural and Environmental Sciences; Professor, Animal Science  
Peter Lichtenfels, Professor, Theatre and Dance  
Heath Massey (Schenker), Professor Emeritus, Landscape Architecture and Environmental Design  
Tim McNeil, Director, UC Davis Design Museum; Former Chair, Design  
Elizabeth Mitcham, Director, Postharvest Technology Center; Director, Horticulture Collaborative Research Support Programs  
Bob Morgan, Retired Lecturer, Design  
Terry Nathan, Professor, Land, Air and Water Resources

Anita Oberbauer, Chair, Animal Science  
Loren Oki, Associate Specialist, Cooperative Extension, Landscape Architecture and Environmental Design  
Patsy Owens, Former Chair, Landscape Architecture and Environmental Design  
John Pascoe, Executive Associate Dean, School of Veterinary Medicine  
Veronica Passalacqua, Curator, C.N. Gorman Museum, Native American Studies  
Dave Rizzo, Chair, Plant Pathology  
Ernesto Sandoval, Curator, Botanical Conservatory, Plant Biology  
Ann Savageau, Professor Emeritus, Design  
Peter Schiffman, Retired Chair, Earth and Planetary Sciences  
Daniel Sehnert, Facilities Manager, Animal Science  
Jared Shaw, Professor, Chemistry  
Wendy Silk, Professor Emeritus, Land, Air and Water Resources  
Brett Snyder, Associate Professor, Design  
Dean Tantillo, Professor, Chemistry  
Lisa Tell, Professor, School of Veterinary Medicine  
Tom Tomich, Director, Agricultural Sustainability Institute  
Cary Trexler, Associate Professor, School of Education  
Hulleah J. Tsinhnahjinnie, Director, C.N. Gorman Museum, Native American Studies  
John Tucker (1916-2008), Professor, Botany; Former Director, UC Davis Arboretum  
Chris Van Kessel, Chair, Plant Sciences  
Philipp Zerbe, Professor, Plant Biology

### GATEways Department Partners

Agricultural Sustainability Institute	Education	Music
Animal Science	English	Native American Studies
Art History	Entomology	Plant Biology
Art Studio	Environmental Science and Policy	Plant Pathology
Botany	Environmental Toxicology	Plant Sciences
California Center for Urban Horticulture	Evolution and Ecology	Science and Society
Chemistry	Graduate School of Management	Theatre and Dance
Civil and Environmental Engineering	Land, Air and Water Resources	UC Master Gardener Program
Design	Landscape Architecture and Environmental Design	Veterinary Medicine
Earth and Planetary Sciences		Wildlife, Fish, and Conservation Biology

### Friends of the UC Davis Arboretum and Public Garden Board

Martha Rehrman, President	Ann Filmer, Secretary	Shirley Maus, Member at Large
Ernie Lewis, Vice President	Christina Craig-Veit, Member at Large	Warren Roberts, Member at Large
Terry Davison, Treasurer	Lois Crowe, Member at Large	Nancy Shapiro, Member at Large

### GATEways Community Partners

Dan Wolk, Mayor, City of Davis  
Robb Davis, Mayor Pro Tem, City of Davis  
Lucas Frerichs, City Council Member, City of Davis  
Joe Krovoza, Former Mayor, City of Davis  
Mike Webb, Deputy City Manager, City of Davis  
Ken Hiatt, Former Director of Community Development, City of Davis  
Anne Brunette, Retired Property Management Coordinator  
Carrie Dyer, Civic Arts Manager  
City of Davis Civic Arts Commission  
Mark Friedman, Owner, Fulcrum Property  
Steve Glennon, President, CEO and COO, Cagwin & Dorward  
Steve Greenfield, Principal, Cunningham Engineering  
Gary Hudson, Board Member, California Center for Urban Horticulture  
Mary Sue Ingraham, Principal, Strengths Ignition LLC  
Ron Lutsko, Principal, Lutsko Associates Landscape Community Built Association  
Davis Arts Center  
Davis Shakespeare Ensemble  
Putah Creek Council  
Tree Davis  
Whole Foods Market, Davis  
Yolo County Resource Conservation District

### GATEways Task Force 2006-2009

Robin Hill, Professor, Art Studio  
Pamela Ronald, Professor, Plant Pathology, Genome Center; Director, Institute for Food and Agricultural Literacy  
Robert Segar, Assistant Vice Chancellor, Campus Planning and Community Resources  
Kathleen Socolofsky, Assistant Vice Chancellor, UC Davis Arboretum and Public Garden  
Cary Trexler, Associate Professor, School of Education  
Diane Ullman, Professor, Entomology; former Associate Dean, College of Agricultural and Environmental Sciences; Cofounder, Art-Science Fusion Institute

