

## LON S. KAUFMAN *Curriculum vitae*

Address 436 MCA 914  
University of Illinois at Chicago  
Chicago, Illinois 60607

### Academic and Administrative Positions (UIC and UI)

#### Administrative Positions

2014-Present	Assistant Vice President for Health Affairs
2011-2014	Vice Chancellor for Academic Affairs and Provost
2008-2011	Vice Provost for Planning and Programs
2003-2008	Vice Provost for Undergraduate Affairs
2003-2008	Dean of the Honors College
1998-2003	Head of Department of Biological Sciences
1997-1998	Acting Head of Department of Biological Sciences
1996-1997	Fellow, CIC-Academic Leadership Program
1996-1997	Director of the Laboratory for Molecular Biology
1993-1996	Director of Graduate Studies Dept. of Biological Sciences

#### Academic Positions

1999-Present	Professor of Bioengineering (affiliate appointment)
1995-Present	Professor of Biological Sciences
1994-1997	Richard G. and Carole J. Cline University Scholar
1990-Present	Honors College Fellow
1990-1995	Associate Professor of Biological Sciences
1985-1989	Assistant Professor of Biological Sciences

#### Education

##### Postdoctoral

1982-1985	Carnegie Institution of Washington, Department of Plant Biology Stanford, California (Post Doc Advisors: Winslow R. Briggs, William F. Thompson)
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##### Graduate

1977-1982	Ph.D.; Cell and Developmental Biology, SUNY at Stony Brook Stony Brook, New York (Thesis Advisor: Harvard Lyman)
Summer 1978	Plant Biology Course, Marine Biological Laboratory

##### Undergraduate

1974-1977	B.A.; Department of Biology, Queens College CUNY
1973-1974	Department of Biology, Brooklyn College, CUNY

## Selected Key Achievements

### *As Provost (3 years) and Vice Provost (8 years)*

- Total enrollment has grown by 11% in 11 years, from 25,228 to 28,038.
- UIC has a stable budgeting process and strong cash reserves.
- The six-year graduation rate has increased from 43% to 60%; 17% in 11 years.
- UIC has achieved AANAPISI (Asian American, Native American, and Pacific Islander Serving Institution) status.
- UIC will achieve HSI (Hispanic Serving Institution) status this year.
- UIC is ranked 9<sup>th</sup> in the US for on-line undergraduate degrees by US NEWS.
- UIC is ranked 13<sup>th</sup> in the world and 3<sup>rd</sup> in the US among universities under 50 years old by the London Times.
- I co-chaired, chaired, or commissioned the UIC Campus Master Plan, the UIC Campus Information Technology Strategic Plan, the UIC Diversity Strategic Plan, the UIC Academic Directions Task Force, the UIC Sustainability Plan, the UIC Global Excellence Strategic plan, the UIC Continuing Studies Strategic Plan, and the UIC Strategic Budgeting Plan.
- Through the efforts of the Vice Provost for Undergraduate Affairs, UIC has assumed the leadership role for Student Success in Chicago via the Chicago Collaborative for Student Success and the Mayor's THRIVE initiative. The work is supported by several foundations.
- I led the effort to found UIC College Prep High School, recognized as the best open enrollment high school in the history of Chicago. All students in its first three graduating classes have been admitted to a four-year institution.
- As Vice Provost for Undergraduate Affairs, I started Summer College as two, free, five-week programs to give entering freshman needed remedial coursework. Through the efforts of the current Vice Provost it has grown to 15 programs representing over 20% of the freshman class.
- In collaboration with the College of Liberal Arts and Sciences and the Library we were able to found first the Science and then the Math Learning Centers.
- In Collaboration with the Vice Chancellor for Administrative Services and the Vice Provost for Undergraduate Affairs we renovated 140 common use classroom, 8 lecture centers and four college buildings (Business, Dentistry, Nursing, and Pharmacy) and created of 30 Oasis informal learning areas.
- I led the campus efforts in the successful revamping of our General Education program.
- I facilitated the efforts to revamp our remedial math courses. The outcome was a change in pass rate from ~40% to ~70% and greater persistence in future math classes.
- In collaboration with the Vice Provost for Planning and Programs we launched the UIC Social Justice Initiative.
- I led UIC's successful Higher Learning Commission 10 year re-accreditation effort in 2007 and in collaboration with the current Vice Provost for Planning and Programs have initiated our efforts towards the 2017 re-accreditation.
- Worked with Undergraduate Student Government to develop the Undergraduate Research Experience, which allows students to find faculty mentors for research and get credit for their research in any college with any faculty member.
- In collaboration with the Vice Provost for Diversity, and the Vice Provost for Budget and Resource Planning, we developed the UIC Cluster Hire Program, with an emphasis on the hiring of Under Represented Minority faculty.
- Through the efforts of the Vice Provost for Faculty Affairs, we developed a three day orientation for new faculty and separately for new administrators.

### ***As Honors College Dean (5 years)***

- Grew the college from 1200 1500 students ; from 200 to 280 faculty
- Founded the Alumni Association
- Founded the Advancement/Development Office
- Established an Annual Giving program
- Instituted mandatory Freshman Cores: small-section, faculty-led discussion based classes
- Instituted a mandatory Senior Capstone program
- Commissioned the college's first strategic plan
- Re-engaged the alumni from the James Scholar's Program

### ***As Head of Biological Sciences (6 years)***

- Led the effort to restructure and redesign the Biology Major
- Responsible for the largest major at UIC (over 1800 students)
- Hired 6 women and 5 men as tenure system faculty

## **Selected Activities as Provost & Vice Chancellor for Academic Affairs**

### **General Responsibilities**

- Full campus budget ~ \$2.2 billion
- Daily oversight for campus academic and related operations
- Hire, mentor, supervise and review the Deans and Vice Provosts
- Recruitment, enrollment, retention, and graduation
- Quality of academic programs
- Convene Deans Council, Health Science Council, Undergraduate Policy Council, and Diversity Affairs Council
- Oversight of 16 academic colleges, hospital, outpatient & federally qualified health clinics.
- Oversight of campus-wide institutes and centers (e.g., Cancer Center, Innovation Center)
- Promotion, tenure, and professional development of faculty and academic staff
- Prepare materials for and attend Board of Trustees and Board Committee meetings
- Prepare materials for and attend University-level meetings as required
- Lobbying at state and federal level
- Development, fundraising, and alumni relations
- Media and public relations
- Capital, renovation, and other building programs
- Student recruitment, enrollment, and success
- Campus Information Technology and the Campus Enterprise Software Management System
- Strategic planning
- Financial aid policy
- Interact/collaborate with the Vice Chancellors
- Convene negotiation strategy team for bargaining units representing Tenure and Non-Tenure system faculty during development of the first contract of the new faculty union.

## Direct Reports

### Deans (16)

Applied Health Sciences; Architecture, Design and the Arts; Business Administration; Dentistry; Education; Engineering; Graduate; Honors; Liberal Arts and Sciences; Library; Medicine; Nursing; Pharmacy; Public Health; Social Work; Urban Planning and Public Administration

### Vice Provosts (6):

Academic and Enrollment Services; Budget and Resource Planning; Diversity; Faculty Affairs; Planning and Programs; Undergraduate Affairs

### Directors (7):

Cancer Center; Center for Clinical and Translational Science; Innovation Center; Learning Sciences Research Institute; Institute for Patient Safety Excellence (moved to the College of Medicine in 2014); Institute for Race Research and Public Policy;, Social Justice Initiative; Women in Science and Engineering System Transformation; Medical Support Programs (moved to Vice Chancellor for Research in 2014)

### Others (2):

Chief Information Officer; Executive Assistant to the Provost

## Dean and Vice Provost Appointments & 5<sup>th</sup>-Year Review Reappointments

2013-2014	<p>Appoint Dean College of Dentistry                      Appoint Dean College of Education                      Appoint Vice Provost for Budget and Resource Planning                      Reappoint Dean of the Honors College                      Reappoint Dean the Library                      Reappoint Dean College of Urban Planning &amp; Public Administration</p>
2012-2013	<p>Appoint Dean College of Architecture, Design and the Arts                      Appoint Dean Graduate College                      Appoint Vice Provost for Planning and Programs                      Appoint Vice Provost for Faculty Affairs                      Appoint Vice Provost for Diversity &amp; Special Advisor to the Chancellor                      Reappoint Dean College of Engineering                      Reappoint Dean School of Public Health</p>
2011-2012	<p>Appoint Dean College of Medicine                      Appoint Dean College of Liberal Arts and Sciences                      Appoint Dean College of Business Administration                      Appoint Dean Graduate College                      Appoint Chief Information Officer                      Reappoint Dean of the College of Pharmacy</p>

(Of the three remaining deans, Applied Health Sciences started in 2011, Nursing started in 2010, and Social Work started in 1995)

## **University Level Leadership Team Participation**

### **Academic Affairs Planning Council**

This policy group meets monthly and consists of the Vice President for Academic Affairs (chair), Vice President for Administrative Services & Chief Financial Officer, the three Provosts of the University of Illinois system (UIC, UIUC, UIS), several persons from the office of the Vice President of Academic Affairs and the office of the Vice President for Administrative Service & Chief Financial Officer. Campus operations, budget, and academic policy are discussed.

### **Administrative Review Steering Committee**

This ad hoc committee was convened to provide oversight for the Administrative Review process initiated by University of Illinois system President Robert Easter. The committee created seven task forces designed to review all aspects of the Central Administration's functions. The Steering Committee produced a draft summary report of approximately 45 recommendations.

### **Board of Trustees Committees**

The Provost serves as the UIC representative to the following University of Illinois Board of Trustees Committees: Academic and Student Affairs Committee, Governance, Personnel and Ethics Committee, the Audit, Budget, Finance and Facilities Committee. The Provost provides reports as required or requested including regular updates to the Academic and Student Affairs Committee on the progress of the UIC Student Success and UIC Diversity initiatives.

### **Enrollment Management Council**

This policy group consists of the Vice President for Academic Affairs (Chair), the three Provosts (UIC, UIUC, and UIS) and a representative from the University of Illinois Senates Conference (a Conference Committee with representation from the Senates of each of the three campuses). This group meets 6 times annually to discuss matters related to enrollment, retention, and the budget.

### **President's Clinical Oversight Group**

This group meets quarterly to review the finances of the clinical operations including the University of Illinois Hospital, Out-patient Clinics, and our 10 FQHC's (Federally Qualified Health Clinics). The group comprises the President, Vice President for Clinical Affairs, Vice President for Administrative Services & Chief Financial Officer, UIC Chancellor, UIC Provost, Dean of the College of Medicine, CEO of the Hospital, and CFO of the UI Hospital.

### **Walcott, Wood and Taylor**

This Company is a wholly owned subsidiary of the Board of Trustees and is responsible for billing and appropriate funds distribution as related to the UIC Hospital and the 18 clinics composing the Physicians Practice Plan (Medical Service Plan). The Provost serves as the Chancellor's representative to the Board.

### **APLU - Urban Serving University's Health Care Initiative Steering Committee**

The Urban Serving Universities (USU, a section within the Association of Public and Land Grant Universities, APLU) sponsors a series of research programs funded by NIH designed to help improve health care in urban settings. The Steering Committee oversees these and other health care related programs sponsored by the USU. I was invited to serve on this steering committee by the USU leadership.

## **UIC Councils Chaired**

### **Diversity Affairs Council**

A monthly meeting, co-Chaired by the Provost and the Vice Provost for Diversity, of the directors/representatives of the Centers for Cultural Understanding and Social Change, Academic Departments and Units, Student Support Units, Chancellor's Status Committees, and other diversity related units. Discussion of diversity policy, procedures, events, and strategy.

### **Deans Council**

A rationalized two-hour monthly meeting of the deans, vice provosts, and invited guests. It serves as a full staff meeting for the Provost, a means to convey large amounts of information with detail in a short period of time and a vessel for open dialogue on specific topics of concern.

### **Health Science Deans Council**

Two-hour monthly meetings co-chaired by the Provost and the Vice President of Health Affairs, the Deans of the seven health colleges (Applied Health Sciences, Dentistry, Medicine, Nursing, Pharmacy, Public Health, Social Work) the Library, and Graduate College, the Vice Chancellor for Research, the CEO of the Hospital and Clinical Operations, Vice Provost for Planning and Programs, and Vice Provost for Budget and Resource Planning. The group functions as the larger oversight committee for the Cancer Center and the Center for Clinical and Translational Science. Issues affecting health care education, delivery, compliance, community relations, integration, and service are discussed.

### **Provost's Management Team**

Weekly meeting of the Vice Provosts (Academic and Enrollment Services, Budget and Resource Planning, Diversity, Faculty Affairs, Undergraduate Affairs, Planning and Programs), the Dean of the Graduate College, the Chief Information officer, Director of Human resources, and the Executive Associate Provost. This essentially serves as a weekly staff meeting for the Provost's office. All aspects of the campus come under discussion.

### **Undergraduate Policy Council**

During my tenure as Vice Provost for Planning and Programs I envisioned and crafted a proposal for an Undergraduate Policy Council to be co-chaired by the Provost and the Vice Chancellor for Student Affairs. Said council would meet monthly for two hours and would be composed of the deans of the colleges that issue undergraduate degrees (Applied Health Sciences, Architecture, Design and the Arts, Business Administration, Education, Engineering, Liberal Arts and Sciences, Nursing, Public Health, Urban Planning and Public Affairs), the Library and the Honors College, the Dean of Students, the Vice Provost for Undergraduate Affairs and the Vice Provost for Academic and Enrollment Services. I enacted the Council in 2011 when I became Provost. The Council develops, approves, and enacts policy effecting undergraduate student recruitment, retention, graduation and success, and has oversight responsibility for the Student Success Plan.

## **Participation in the following UIC Councils**

### **The Chancellor Vice Chancellor (CVC) Group**

Chaired by the Chancellor, this information and policy group meets biweekly alternating between a small group (8 persons) and a larger group (16 persons) bringing the core Vice Chancellors (“small” CVC) and others with comparable levels and Chancellor (“large” CVC) together. Campus direction and policy is discussed. The group has an annual retreat to set goals and metrics for the coming year.

### **Full UIC Senate**

As Provost, I address the Senate at each of their meetings providing updates as to campus budget, finances, union and planning activities.

### **Senate Executive Committee**

As Provost, I meet monthly with the Senate Executive Committee to address their specific questions and to discuss policy or procedure changes that will help enhance academic quality and excellence.

## **Annual Leadership Retreats**

UIC has an annual Leadership Retreat each August for approximately 250-300 participants. The topic is selected by the Provost’s office in consultation with the Chancellor and campus leadership. The event is hosted by the Provost’s office, including the identification of the Keynote and external panel members.

### **2014 Spectrum of Student Success**

Keynote: Nancy Zimpher (Chancellor SUNY System)

Topic: The focus as indicated is on student success, retention and graduation. UIC has a uniquely diverse student population. The undergraduate is drawn primarily from Chicago, has no racial or ethnic majority, is largely First Generation College and over 50% Pell eligible. As we implement our Student Success Plan we seek to inform ourselves about best practices and how to build productive relationships with the Chicago Public Schools and the Community Colleges of Chicago.

### **2013 Innovation**

Keynote: David Audretsch, (Prof. Indiana University)

Topic: Innovating in the Private and Public Sectors

UIC as an engaged research university has the responsibility to innovate in both the private sector, a traditional sense of innovation, as well as in the public sector, examples being innovation in public policy and education. How can UIC best carry forward on both fronts?

### **2012 What Counts**

Keynote: Nancy Cantor (Chancellor Syracuse University)

Topic: UIC is an engaged research university. How can we determine the impact of our various research and discovery missions? For example we understand how to measure of biomedical research, including impact. How then can we do the same for engaged scholarship, or the impact we have on various neighborhoods in Chicago?

### **2011 Privatization of the Public Research University**

Keynote: Jim Duderstadt, (Chancellor Emeritus, University of Michigan)

Topic: As state budgets continue to shrink and more of the campus becomes dependent on tuition, how can we best prepare for the move towards tuition-based public universities?

## **Strategic Planning Activity**

In the case of the Campus Master Plan and the Diversity Strategic Thinking and Planning I served as co-chair of the committees while Vice Provost for Planning and Programs. and completed the planning exercises as provost.

### **UIC Planning Council**

The Council, made up of the Chancellor, Vice Chancellors, Deans, selected Vice Provosts (including myself) and Senate Leadership was initially convened by Provost Tanner in the construction of the 2006 Strategic plan. I subsequently convened the council on multiple occasions on behalf of Chancellor Allen-Meares, as a means of updating and resetting the goals expressed in the 2006 Strategic plan.

### **Campus Master Plan: A Framework for UIC**

A classic master planning exercise, it defines the location and placement of future buildings throughout campus. In keeping with our urban mission, the plans extends to include immediate projects that restore the city grid to campus, removes barriers to our bordering neighborhoods and adds green space to our city scape. The campus is in its third year of implementation.

### **Campus Sustainability Plan: *Going Beyond Green: Excellence through Sustainability***

UIC needs to view itself as a campus, every aspect, through the philosophy of sustainability. How can we start to prepare now in order to maintain the campus fiscally, socially, structurally, environmentally, and academically, for the next 50 years. This committee is in the process of writing the final document.

### **Diversity Strategic Thinking: *UIC Through the Lens of Diversity***

A two year-long program that engaged the entire campus in dialogue regarding the roles and responsibilities UIC has with respect to diversity. This exercise gave rise to The Diversity Strategic Thinking Document, *UIC :Through the Lens of Diversity*.

### **Diversity Strategic Planning: *UIC A Mosaic for the Future***

*UIC: A Mosaic for the Future*, is based on the values, principles and needs identified in the Diversity Thinking Document. This project initiated while I was in the VPPP role; I served as co-chair of the Diversity Strategic Thinking and Planning Committee. The final drafts were completed after I became Provost. The campus is in its second year of implementation.

### **Enrollment Management Plan for in-state, out-of-state and out-of-country enrollments and the conversion to the Common Application**

A three year plan designed to increase overall enrollments by up to 10% through increases in international and domestic non-resident populations, both by recruiting and by retaining students. The past three years represent record overall enrollments on campus. We are updating the current plan through the use of a more sophisticated model, one that integrates the capacity of each academic program to expand as well as the career demand for graduates of each program.



**Global Strategic Plan: *Achieving Global Excellence***

My charge to the planning committee was to first understand how do our current and future activities can and should relate to and inform our mission as an engaged urban research university in a major global city. Specifically how we can we make Chicago better based on what we learn globally and how can we make the world better based on what we learn in Chicago?

**Healthcare Workforce Development: *Building a Health Care Workforce to Achieve Health Equity***

With the Affordable Care Act (ACA) comes a clear change in the health care workforce. UIC with a full suite of seven health care colleges will be in an excellent position to provide for this new workforce. What will the needs be in Chicago, Illinois and the nation and how can UIC best serve and prepare to serve these needs in the short, medium and long term. The background or “thinking” part of the plan is complete. It now goes to the colleges for inclusion of their individual and collective goals and business models.

**Information Technology Campus Master Plan**

The campus backbone, equipment and architecture need to be updated and reconfigured as the campus prepares for the next 20 years. An external consultant was employed along with a campus committee and the CIO to develop the IT Master Plan and the means to pay for implementation of that plan. The planning committee is working on the final draft of the plan.

**Strategic Budget Plan: *Achieving Excellence in Chicago***

The Board of Trustees requested that each of the three campuses produce a three- year strategic budget plan, wherein budgeting on the campus would be tied to existing strategic goals for the campus and a set of goals as defined by Vice President for Academic Affairs. UIC, already engaged in several strategic plans on the one hand and a three year strategic budgeting process on the other was easily positioned to carry out this planning exercise.

**Undergraduate Success Plan: *Access to Excellence and Success***

A full campus effort, led by 8 task forces comprised of over 200 faculty, students, and staff. The composite produced over 120 action plans that are being distributed to the appropriate campus unit for implementation and assessment. This plan is in its first year of implementation.

**School of Continuing Studies – a Strategic Plan**

The School of Continuing Studies was developed to bring forward on-line degree programs. The School has been uniquely successful and UIC was ranked 9<sup>th</sup> in the nation by US NEWS for undergraduate on- line degrees. As Provost I charged the School to develop a strategic plan that allows the School to continue developing on-line programs and describes how they will move forward to develop a suite of face to face programs that serves our mission and increases our presence in the communities of Chicago.

## **Selected Major Programs Implemented or Developed as Provost**

### **Cluster Hire Initiative**

The Program was initiated in collaboration with the Vice Provost for Budget and Resource Planning, the Vice Provost for Diversity and the Office of the Chancellor while I was Vice Provost for Planning and Programs. The program derives from the Diversity Strategic Thinking and Planning Exercises. Seven Interdisciplinary Clusters were awarded, each with five faculty (one senior and 4 junior). The hiring of faculty that increases the human diversity on campus is heavily incentivized.

### **Building Rejuvenation Program**

The Program was initiated during my tenure as Vice Provost for Planning and Programs in collaboration with the Vice Chancellor for Administrative Services and the Vice Provost for Budget and Resource Planning. This program, funded via a recurrent income pool that will approach \$40 million per year when complete, has allowed us to rejuvenate several buildings in *toto*, including HVAC (in three cases a conversion to geothermal heating and cooling), classrooms, laboratories and exteriors. We have completed or are in process of completing several buildings including those housing the colleges of Dentistry and Nursing, The Jim Liataud School of Business, and the Sandy Port Errant Port Language and Cultural Learning Center.

### **Classroom Renovation and Oasis Programs**

This Program was initiated during my tenure as Vice Provost for Undergraduate Affairs in collaboration with the Vice Chancellor for Administrative Services, with the inception of the office for Campus Learning Environments. Over the past 10 years the campus has fully modernized and renovated over 140 common use classrooms throughout the campus. We also created 30 Oases. Oases are comfortable seating, imaginatively decorated, quiet lounge areas scattered throughout the classroom buildings, lobbies, and Library. They are designed to be places where students, especially commuter students, can sit comfortably between classes.

### **Cluster Computing**

In collaboration with the Chief Information Officer and the Vice Chancellor for Research, we funded and developed the first cluster computing facility at UIC.

### **Creating a Department of Bioengineering Shared between the Colleges of Medicine and Engineering**

While I serving as the Vice Provost for Planning and Programs there was discussion of starting an institute or a center of Biomedical Engineering in order to bring faculty from the College of Medicine in contact with the faculty in Bioengineering. Such an institute would entail additional administrative costs. Furthermore, centers and institutes at UIC cannot host degree programs and they cannot hire or tenure faculty. As an alternative, we developed a means by which the department could be housed in both colleges thereby retaining the capacity to offer degree programs and continue to hire and tenure faculty. This has worked extremely well and will serve as a paradigm for future intercollegiate departments. Because of the innovative structure and the new mission of the unit we were also able to obtain a multimillion dollar naming gift from an alum of the Bioengineering program.

**Established the Office of the Vice Provost for Diversity**

Per the Diversity Strategic Plan, we established the Office of the Vice Provost for Diversity and Senior Advisor to the Chancellor on Diversity; not to be the unit into which all things diversity were to be placed but rather to facilitate the distribution of diversity action throughout the campus.

**Freshman Intergroup Dialogue Seminar**

In collaboration with the Vice Provost for Undergraduate Affairs and the Office of the Vice Chancellor for Student Affairs we developed a one credit freshman seminar available to all students and required for those in several colleges. The course is based on the principles of dialoging and provides tools to our students for how to navigate a highly diverse campus. The evaluation data to be published shortly indicate this one credit seminar is as effective as the standard three credit course on Intergroup Dialogues developed at University of Michigan.

**Implementation of the Common Application and the Initiation of Yield Activities:**

We moved to the Common Application two years ago with mixed results. In the end we had record enrollments and our second biggest freshman class. This fall we will have a record Hispanic enrollment and an increase in African American enrollments. We initiated a set of 29 yield activities to help assure those students filing intents to enroll did in fact enroll.

**Implementation of a Three Year Data-Based Strategic Budgeting Process:**

UIC operates with a modified responsibility centered management budgeting process. Two years ago we initiated a plan to move each college and Vice Chancellor unit to a three year data-based strategic budgeting process within the RCM system. That process will be complete within the next two years. It has allowed us to match the colleges' income streams to their actual costs in a manner enabling them to fund their strategic priorities that yield income while divesting of those activities that neither address those priorities nor yield a return on investment.

**Inter-Professional Healthcare Training:**

During my tenure as Vice Provost for Planning and Programs, in collaboration with the Academic Deans of the seven health science colleges, two inter-professional education days were developed. The initial day designed for pre-clinical students and a subsequent day designed for those students in clinical rotations. The first day was a resounding success with the participation of approximately 1,000 students representing the entire second year class from all seven colleges along with 80 faculty acting as facilitators. The Second class, hosted this spring was equally successful.

**PAP Honors Program:**

In collaboration with Financial Aid and Housing, the Honors College and the Office of the Vice Provost for Undergraduate Affairs, the Office of the Vice Provost for Academic and Enrollment Services and the office of the Vice President for Academic Affairs we developed the President's Award Program Honors Program. High achieving underrepresented minority students are provided a full four year scholarship including housing. The number of applications has been astounding and the yield rates very high. Most importantly is that the first year success characteristics of these students matches that of our best cohorts. It clearly indicates the value associated with a UIC degree as the funding allows us to compete well for student being sought by highly ranked institutions.

### **Social Justice Initiative:**

This Program was initiated during my tenure as Vice Provost for Planning and Programs in collaboration with Professor Barbara Ransby who became the interim Vice Provost for Planning and Programs when I assumed the role of Provost. It is designed to foster Social Justice throughout campus and in collaboration with the many communities that UIC serves. The programs are fully engaged and designed to help develop course work pipelines and academic degree programs in social justice akin to those we have for STEM disciplines.

### **Transfer articulation agreement with City Colleges of Chicago (CCC)**

The CCC represents a rich source of transfer students (the combined enrollment of the six colleges is 120,000). In order to assure that transfer students are taking courses that will count towards their UIC degrees on the one hand and that the students and the CCC can receive credit for the Associates Degree on the other, we have developed the Guaranteed Articulation Transfer agreement. This agreement allows CCC to use an agreed upon set of criteria to identify students who will be guaranteed a transfer to UIC. These students are then allowed take upper division courses taken at UIC rather than at CCC. These UIC courses will count towards their UIC degree. The credits from these courses can also be used towards their Associates Degree from the CCC. The result is a lower cost of education and a faster time to degree. The students obtain their Associates Degree and the CCC receives credit for the graduation.

### **UIC as the Leader in Chicago Student Success**

Through the efforts of the Vice Provost for Undergraduate Affairs, UIC has assumed the leadership for student success activities in Chicago. Initially as the lead campus in the philanthropically support Chicago Collaborative of Student Success (the collaborative is comprised of all 2 and 4 year institution in Chicago as well as Chicago Public Schools), and subsequently as the higher education lead for Mayor Emanuel's THRIVE initiative. UIC has become recognized and valued as the source of leadership for student success in Chicago.

### **UIC College Prep High School**

I led the team that started the school. This engaged, open enrollment (any student who is eligible for CPS can apply – selection is done by lottery), CPS high school has a four year college prep-health science curriculum, delivered in collaboration with our health science colleges. The high school has finished its seventh year and has had three graduating classes. Each class has set a record for ACT scores for Chicago open enrollment schools and this year the school surpassed two of the 11 selective enrollment schools in Chicago. All of the students in each of the three graduating classes has been admitted to a four year institution.

### **Undergraduate Success Center**

Developed as a collaborative effort with the Vice Provost for Undergraduate Affairs, this drop-in center is located in the facility in which we teach Freshman Composition. The center has four professional advisors and is open from 8 am until 8pm. They operate primarily by referring students to the specific offices in which they can attain the advice, help or counseling they need. In its first semester the center made over 1500 referrals and worked directly with 350 students, 120 of whom were to be expelled. Through their direct efforts over 30 freshmen (approximately 1% of the freshman class) were eventually retained.

## Selected University Activities Prior to Becoming Provost

### Search Committees

2009-2010	Chair, Associate Vice Provost for Undergraduate Affairs
2007-2008	Chair, Vice Provost for Faculty Affairs
2006-2007	Chair, Associate Vice Provost for Faculty Development
2001-2002	Member, Provost and Vice Chancellor for Academic Affairs

### Senate Service

2003-2006	Member, University of Illinois Senates Conference
2001-2003	Chair, UIC Senate Committee on Research
2001-2003	Member, UIC Senate Committee on Academic Freedom and Tenure
1997-2006	Member, UIC Senate

### University Councils

2008-2011	Member, UIC Health Science Council
2003-2011	Member, Provost's Management Team
2003-2011	Member, Deans Council
1995-2003	Member, Honors College Council

### Committees & Task Forces - Founding Chair or Co-Chair

2010-2012	UIC Strategic Directions Group
2010-2012	Academic Directions Task Force
2008-2012	Diversity Strategic Planning Committee
2008-2012	Diversity Strategic Thinking Committee
2008-2012	Campus Master Planning Advisory Committee
2008-2012	UIC Strategic Plan Annual Progress Report
2007-2008	Freshman Seminar Curriculum Committee
2006-2008	Undergraduate Research Experience
2006-2012	University Data Assessment Group
2006-2009	UIC-College Prep High School Development Committee
2005-2008	Chair, Classroom Services / Renovation Committee
2005-2012	UIC Academic Program Assessment Committee
2004-2008	UIC Summer College
2004-2007	UIC NCA/HLC re-Accreditation Steering Committee
2004-2005	Science Engineering South and Science Engineering Laboratory Buildings Space Utilization/Renovation Committee
2003-2008	UIC General Education Revision / Implementation Committee
2004-2008	UIC Course Availability Committee
1999-2000	UIC Genomics Task Force

## Committees & Task Forces - Membership

2010-2011	Provost's Administrative & Restructuring Steering Committee
2009-2011	Business Continuity Plan Steering Committee
2009-2011	Internal Adv. Board for the Center for Clinical -Translational Science
2008-2011	Financial Aid Working Group
2007-Present	Executive Council for UIC College Prep High School
2007-2011	Strategic Facilities Planning Group
2008-2009	Global Campus Accreditation Team
2006-2009	Advisory Board for UIC Hillel
2005-2006	UIC Strategic Planning Council
2005-2006	UIC Mission Statement Committee
2004-2011	UIC Hybrid [Blended] Learning Initiative Steering Committee
2004-2011	Information Technology Purchasing Council Steering Committee
2004-2008	Campus Safety Committee
2003-2011	UIC Enrollment Impact Committee
2000-2005	Steering Committee of the Institute for Math and Science Education
2000-2001	Honors College Review Task Force
2000-2002	Life Sciences Graduate Programs Task Force
1999-2001	UIC Bioinformatics Task Force
1999-2000	UIC Structural Biology Task Force
1999-2000	UIC – K-12 Math and Science Education Task Force
1998-1999	Member College of Liberal Arts and Sciences –Association of American Universities Task Force

## Faculty Advisor for Student Organizations

Vietnamese Student Organization

Project ESTEEM - students going into homeless shelters to teach science

Project SPEAK - designed to create dialog between student organizations representing different cultures.

Project FOCUS – the use of non-verbal means of communication to allow children from different cultures to tell their story. Their first project in Uganda received a great deal of national attention.

*The Journal for Pre-Health Students*

*Red Shoes Review* – a student-published literary journal

*One World* - student published social-justice magazine

Undergraduate Student Research Organization

## Units Reporting to the Vice Provost for Undergraduate Affairs

Urban Health Program

Latino Cultural center

African-American Cultural Center

Asian American Resource and Cultural Center

Gender and Sexuality Center

Women's resource Center

Campus Advocacy Network

Study Abroad Office

Office of Campus Learning Environment

UIC College Prep

## Units Reporting to the Vice Provost for Planning and Programs

Urban Health Program  
UIC College Prep  
Office of International affairs  
Office of Programs and Academic Assessment  
School of Continuing Studies  
Summer Session  
Tutorium in Intensive English

## Selected Professional Activities

### Professional Society Officer

2002-03; 2008-09	President, Sigma Xi UIC Chapter In 02-03 UIC won 2 of the 3 National Awards made by Sigma Xi The Chapter Program Award & the Certificate of Excellence
1997-1998	President, Midwest Plant Physiology Society

### Journal Editorial Board; External Reviewer

1991-1993	Member, Editorial Board of the <i>Journal of Plant Physiology</i> Reviewer for all major plant, cell biology and molecular biology journals
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### USDA Panel Manager; Panel Member

1999-2000	Manager, USDA Plant Growth and Development Panel
1998-1999	Member, USDA Plant Growth and Development Panel

### National Science Foundation Panel Membership

2008-2009	NSF REESE Panel
2007-2008	NSF I-Cubed Panel (Initiating panel)
2006-2008	NSF IGERT Panel (for both pre- and full-proposal)
2000-2001	NSF Integrative Plant Sciences Panel
1993-1996	NSF Developmental Biology Panel
1992-1995	NSF Cell Biology Panel

### Invited External Reviewer for Departments of Biology

2009	University of Colorado at Denver
2006	Indiana University Perdue University at Indianapolis (Chair)
2001	University of Missouri at St. Louis (Chair)

### Invited External Reviewer for Honors College

2011	University of Iowa
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## **Evaluator/Assessor for the Higher Learning Commission of the North Central Association of Colleges and Schools (HLC/NCA)**

### **Tenth year re-accreditation evaluations and site visits**

2010	University of Colorado at Boulder
2009	University of Missouri at Kansas City
2008	University of Missouri at St. Louis
2007	University of Nebraska – Lincoln

## **Invited Reviewer for QANU (The Netherlands' versions of the HLC/NCA)**

### **Seventh Year re-Accreditation Site Visit**

2013	Amsterdam University College (Univ of Amsterdam & VU Univ. Amsterdam)
2009	Roosevelt Academy (Utrecht University)
2007	University College (Utrecht University)

## **Invited Reviewer for NAVO (The Netherlands' version of the Dept. of Education)**

### **Approval of a New Campus: Curriculum, Faculty, Facilities**

2009	Leiden University College the Hague (Leiden University)
2008	Amsterdam Univ College (Univ of Amsterdam & VU Univ Amsterdam)

## **Consortium for Institutional Cooperation (CIC) Group Membership**

2004-2011	NCA Accreditation Network Group
2003-2008	Undergraduate Affairs Group
2003-2008	Honors College / Programs Deans and Directors Chair in 2007

## **Teaching**

24 years of continuous undergraduate teaching in Biology Dept

25 years of continuous graduate teaching in Biology Dept

I continue to teach seminars through the Honors College

## **Courses Taught – Biology Undergrad**

BIOS 100*	5 cr	Lec-Lab	Introductory Biology for Majors [~350 students]
BIOS 104	5 cr	Lec-Lab	Introductory Biology for Non-Majors [~140 students]
BIOS 222*	3 cr	Lec	Cell Biology Lecture [~100 students]
BIOS 223	1 cr	Lab	Cell Biology Lab [~40 students]
BIOS 240*	3 cr	Lec	Homeostasis - Integrative Physiology [~100 students]
BIOS 399	3 cr	Res	Undergraduate Research

\*Required for the Biology Major

## **Courses Taught – Biology Graduate**

BIOS 594	3 cr	Sem	Graduate Seminar
BIOS 524 <sup>+</sup>	5 cr	Lec	Graduate Molecular Biology Core I
BIOS 525 <sup>+</sup>	5 cr	Lec	Graduate Molecular Biology Core II
BIOS 599	var.	Res	Thesis Research

<sup>+</sup>Required for the PhD in Molecular Biology



## Courses Taught – Honors College

HON 101 <sup>#</sup>	1 cr	Lec	Honors Freshman Seminar	[18 students]
HON 102 <sup>#</sup>	3 cr	Lec	Great Books of Science I - Gen Ed Core	[25 students]
HON 103 <sup>#</sup>	3 cr	Lec	Great Books of Science II - Gen Ed Core	[25 students]
HON 201	1 cr	Sem	DNA 360 Discovery of the Double Helix	[15 students]

<sup>#</sup>Required by the Honors College

## Course & Curriculum Development

### Curriculum Development as Head of Biological Sciences

Co-chair of the committee that revamped the Biology Major. We moved from an unmanageable menu of courses in five areas to a series of lecture based core courses with a required number of laboratories.

### Curriculum Development as Dean of the Honors College

The 22 Honors Credit hour requirement  
 The Freshman Gen Ed Honors Core requirement  
 Topics include Asian Diaspora, Diversity, Social Justice, Energy  
 The requirement for a Senior Capstone Project.  
 A series of engaged seminars – based on the activities of associations

### Curriculum Development as Vice Provost for Undergraduate Affairs

#### UIC General Education Program – *Setting the Foundation for University Study.*

In 2003 UIC undertook to revamp its entire general education program. I lead the team that was charged with this task. The new program was completed and approved Spring 2005. Entering freshmen were assigned to the new program in Fall 2005, transfer students in Fall 2007.

#### ASCEND Summer Curriculum.

Five week Math and group based Chemistry programs designed to hone skills and begin team building for a set of under-represented minority and female students intending to become STEM majors. ASCEND is an NSF funded program designed to increase URM and Female STEM student retention. I serve as the PI for this program.

#### Common Content for Freshman Seminar Courses.

Four specific topics were defined for inclusion in all UIC Freshman Seminars. The topics were developed by the Provost's Working Group for Underrepresented Minority Students – a group representing the directors of the 30 various student support units on campus.

**The Chicago Civic Leadership Certificate Program.**

This fully engaged curriculum represents five courses; the two semester Freshman Composition program, two general education courses and a capstone course in rhetoric. Each of the five courses is based on the student's writing and information analysis efforts on behalf of a not-for-profit organization within Chicago. The program was developed with funding from an AmeriCorp grant on which I served as PI. The engaged Freshman Composition courses have been shown to increase writing skills, and the retention of those skills. The work has been published in peer reviewed journals and in a book published by the Stony Brook University Press. The engaged Freshman Composition courses continue to be supported by the McCormick Foundation.

**Courses Developed as Head of Biology**

BIOS 240; Homeostasis

A 200-level required core course integrating plant and animal physiology

**Courses Developed as Dean of the Honors College**

HON 102/103; Great Books of Sciences

A two semester general education humanities Honors Core in the Honors College

HON 201; DNA 360

Based on the autobiographies of the three Noble Laureates, Watson, Crick, and Wilkins, and the Brenda Maddox Biography of Roseland Franklin.

HON 201; What We Eat

Based on South Beach Diet and Fast Food Nation

**Course Development Supported As Vice Provost for Undergraduate Affairs**

A blended version of KH 251 / 252 - Human Anatomy and Physiology.

Math 075 – a seven week blended version of the failed, 15 week MATH 070 course. Summer

Writing Workshop – a five week intensive summer workshop designed to help pre-freshman enter freshman compositions.

Summer Math Workshop – a five week intensive math workshop designed to help pre-freshman to advance their freshman math placement.

**Mentoring****Ph.D. Students (date of degree)**

Yvgenia Lapik	(2000)	Assoc. Prof. Chicago Community Colleges
Kevin Folta	(1998)	Prof. and Dept Head, University of Florida
John Marsh	(1998)	Research Assist. Prof. The John Innes Centre
Judi Tilghman	(1995)	V.P. Technology Assessment, Quidel Corp
Liwen Wang	(1995)	
Jie Gao	(1994)	
Kathy Marrs	(1991)	Assoc. Prof & Assoc Dean for Acad Affairs, IUPUI
Kenneth Piller	(1991)	Research Asst. Prof. North Carolina State University
Scott Bearson	(1991)	Senior Scientist, USDA
Katherine Warpeha	(1991)	Asst. Prof. University of Illinois at Chicago

**M.S. Students (date of degree)**

Connie Corcoran	(1992)	
Mark Reichard	(1993)	
Keshab Battacharya	(1994)	Senior Scientist, Pfizer

**Post-doctoral Trainees**

Judi Tilghman	1996-1997	V.P. Technology Assessment, Quidel Corp
John Marsh	1998-2000	Research Asst. Prof. The John Innes Centre
Kevin Folta	1998-1999	Prof. and Dept Head, University of Florida
Yvgeniya Lapik	2000-2003	Assoc Prof., Chicago Community Colleges
Sanghamitra Saha	2000-2004	Assoc Prof., Chicago Community Colleges

**Research Assistant Professor**

Katherine Warpeha	2002-2012	Assistant Professor (tenure track), UIC
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**Visiting Professors (Sabbatical Visits)**

Lewis Dov	Southern IL Univ	1995	Retired
John Smarrelli	Loyola University	1994	President Christian Brothers University

**Undergraduate Researchers**

1 - 3 undergraduate researchers per year  
Many are authors on papers from my lab

**Patents/Pending****Title: PLANT BIOCHEMICAL SYSTEMS AND USES THEREOF**

Publication # WO/2010/257636                      Date: October 7, 2010  
Priority data: U.S. provisional patent application # 12/528780 filed February 26, 2008

**Title: PHENYLALANINE FOR PLANT PROTECTION AGAINST UV RADIATION**

US Patent awarded July 23, 2013 #8,492,614  
Publication # WO/2008/106463                      Date: April 29, 2008  
International Application # PCT/US2008/0055036  
Priority data: U.S. provisional patent application # 60/891698 filed February 26, 2007  
Priority data: U.S. provisional patent application # 60/975513 filed September 26, 2007

## Invited Review Articles in Peer Reviewed Journals

Warpeha, K.M. and Kaufman, L.S. [2007] Opposite ends of the spectrum: Plant and animal G-protein signaling. *Plant Signaling and Behavior* 2,480-482

Folta, K.M. and Kaufman, L.S. [2006] Isolation of Arabidopsis nuclei and measurement of gene transcription rates using nuclear run-on assays. *Nature Protocols* 1 3094 - 3100.

Kaufman, L.S. [1994] GTP-binding regulatory proteins in higher plants. *J. Photochemistry Photobiology* 22, 3-7.

Kaufman, L.S. [1994] Signal transduction in higher plants. *International J. of Plant Physiology* 155, 1-3.

Kaufman L.S. [1993] Transduction of blue-light signals. *Plant Physiology* 102, 333-337.

Thompson, W.F., Kaufman L.S. and Watson, J.C. [1985] Light regulation of nuclear gene expression in plants. *Bioessays* 3, 153-159.

## Publications in Peer Reviewed Journals

Orozco-Nunnally, D.A., Muhammad, D., Mezzich, R., Lee, B.S., Jayathilaka, L., Kaufman, L.S. and Warpeha, K.M. [2014] Pirin1 (PRN1) Is a Multifunctional Protein that Regulates Quercetin, and Impacts Specific Light and UV Responses in the Seed-to-Seedling Transition of *Arabidopsis thaliana*. *PLoS One* 9:e93371.

Yu, X.H., Sayegh, R., Maymon, M., Warpeha, K.M., Klejnot, J., Yang, H.Y., Huang, J., Lee, J., Kaufman, L.S. and Lin, C.T. [2009] Formation of nuclear bodies of Arabidopsis CRY2 in response to blue light is associated with its blue light-dependent degradation. *Plant Cell* 21, 108-130.

Warpeha, K.M., Gibbons, J., Carol, A., Slusser, J., Tree, R., Durham, W. and Kaufman, L.S. [2008] Adequate phenylalanine mediated by G-protein is critical for protection from UV radiation damage in young etiolated *Arabidopsis thaliana* seedlings. *Plant Cell & Environment* 31, 1756-1770.

Warpeha, K.M., Upadhyay, S., Yeh, J., Adamiak, J., Hawkins, S.I., Lapik, Y.R., Anderson, M.B. and Kaufman, L.S. [2007] The GCR1, GPA1, PRN1, NF-Y signal chain mediates both blue light and ABA responses in Arabidopsis. *Plant Physiology* 143, 1590-1600.

Warpeha, K.M., Lateef, S.S., Lapik, Y.R., Anderson, M., Lee, B.-S. and Kaufman, L.S. [2006] G-Protein-coupled receptor 1, G-protein G $\alpha$ -subunit 1, and prephenate dehydratase 1 are required for blue light-induced production of phenylalanine in etiolated Arabidopsis. *Plant Physiology* 140, 844-855.

Lapik, Y. and Kaufman, L.S. [2003] Pirin, a downstream partner of GPA has a role in germination, ABA sensitivity and time to flowering. *Plant Cell* 15, 1578-1590.

(The above paper was selected as the editors choice by the SCIENCE on-Line Signal Transduction site - STKE[Signal Transduction Knowledge Environment])

Folta, K.M. and Kaufman, L.S. [2002] Blue light mediated RNA destabilization requires Phototropin. *Plant Molecular Biology* 51, 609-618.

- Folta, K.M. and Kaufman, L.S. [2000] Isolation of functional nuclei from etiolated *Arabidopsis*. *Plant Cell Reporter* 19, 504-510.
- Anderson, M.B., Folta, K., Warpeha, K.M., Gibbons, J., Gao, J. and Kaufman, L.S. [1999] Blue light-directed destabilization of the pea *Lhcb1\*4* transcript depends on sequences within the 5' untranslated region. *Plant Cell* 11, 1579-1589.
- Folta, K.M. and Kaufman, L.S. [1999] Regions of the pea *Lhcb1\*4* promoter necessary for blue-light regulation in transgenic *Arabidopsis*. *Plant Physiology* 120, 747-755.
- Marsh, J.F. III and Kaufman, L.S. [1999] Cloning and characterization of PGA1 and PGA2: two G protein alpha-subunits from pea that promote growth in the yeast *Saccharomyces cerevisiae*. *Plant Journal* 19, 237-47.
- Tilghman, J.A., Gao, J., Anderson, M.B. and Kaufman, L.S. [1997] Correct blue light regulation of pea *Lhcb* genes in an *Arabidopsis* background. *Plant Molecular Biology* 35, 293-302.
- White, M.J., Kaufman, L.S., Horwitz, B.A., Briggs, W.R. and Thompson, W.F. [1995] Individual members of the *Cab* gene family differ widely in fluence response. *Plant Physiology* 107, 161-165.
- Gao, J. and Kaufman, L.S. [1994] Blue-light regulation of the *Arabidopsis thaliana Cab1* gene. *Plant Physiology* 104, 1251-1257.
- Warpeha, K.M., Kaufman, L.S. and Briggs, W.R. [1992] A flavoprotein may mediate the blue light activated binding of guanosine 5'-triphosphate to isolated plasma membranes of *Pisum sativum* L. *Photochemistry Photobiology* 55, 595-603.
- Warpeha, K.M., Hamm, H.E., Rasenick, M.M. and Kaufman, L.S. [1991] A blue-light activated GTP binding protein in the plasma membrane of etiolated peas. *Proceedings National Academy Sciences* 88, 8925-8929.
- Piller, K.J., Baerson, S.R. and Kaufman, L.S. [1990] Characterization and chromosomal location of the short length ribosomal DNA variant in *Pisum sativum* L. cv. Alaska. *Nucleic Acids Research* 18, 35-3145.
- Warpeha, K.M. and Kaufman, L.S. [1990] Two distinct blue-light responses regulate the levels of transcripts of specific nuclear-coded genes in pea. *Planta* 182, 553-558.
- Marrs, K.A. and Kaufman, L.S. [1990] Rapid transcriptional regulation of the *Cab* and pEA207 gene families in peas by blue light in the absence of cytoplasmic protein synthesis. *Planta* 183, 327-333.
- Warpeha, K.M. and Kaufman, L.S. [1990] Two distinct blue-light responses regulate epicotyl elongation in pea. *Plant Physiology* 92, 495-499.
- Warpeha, K.M., Marrs, K.A. and Kaufman, L.S. [1989] Blue-light regulation of specific mRNA levels in *Pisum sativum*. *Plant Physiology* 91, 1030-1035.

Baerson, S.R. and Kaufman, L.S. [1989] Increased ribosomal RNA gene activity during a specific window of early pea leaf development. *Molecular and Cellular Biology* 10, 842-845.

Marrs, K.A. and Kaufman, L.S. [1989] Blue-light regulation of transcription for nuclear encoded genes in pea. *Proceedings National Academy Sciences USA* 86, 4492-4495.

Warpeha, K.M. and Kaufman, L.S. [1989] Blue-light regulation of epicotyl elongation in pea. *Plant Physiology* 89, 544-548.

Spiller, S.C., Kaufman, L.S., Thompson, W.F. and Briggs, W.R. [1987] Specific mRNA and rRNA levels during iron-initiated greening of chlorotic pea leaves. *Plant Physiology* 84, 409-414.

Watson, J.C., Kaufman, L.S. and Thompson, W.F. [1986] Developmental regulation of cytosine methylation in the nuclear ribosomal RNA genes in *Pisum sativum*. *J. Molecular Biology* 193, 15-26.

Kaufman, L.S., Watson, J.C. and Thompson, W.F. [1986] Light regulated changes in DNaseI hypersensitive sites in the rDNA genes of *Pisum sativum*. *Proceedings National Academy Sciences USA* 84, 1550-1554.

Kaufman, L.S., Roberts, L.L., Briggs, W.R. and Thompson, W.R. [1986] Phytochrome control of specific mRNA levels in developing pea buds: Kinetics of accumulation, reciprocity and escape kinetics of the low fluence response. *Plant Physiology* 81, 1033-1038.

Kaufman, L.S., Briggs, W.R. and Thompson, W.F. [1985] Phytochrome control of specific mRNA levels in developing pea buds: The presence of both very low and low fluence responses. *Plant Physiology* 78, 388-393.

Kaufman, L.S., Thompson, W.F. and Briggs, W.R. [1984] Different red light requirements for phytochrome-induced accumulation of *Cab* RNA and *RbcS* RNA. *Science* 226, 1447-1449.

Kaufman, L.S. and Lyman, H. [1982] A 600nm receptor in *Euglena gracilis*: Its role in chlorophyll accumulation. *Plant Science Letters* 26, 293-299.

Delihias, N., Anderson, J., Andresini, W., Kaufman, L.S. and Lyman, H. [1981] The 5S ribosomal RNA of *Euglena gracilis* cytoplasmic ribosome is closely homologous to the 5S of the trypanosomatid protozoa. *Nucleic Acids Research* 9, 6627-6633.

## Invited Symposia Publications and Chapters in Books

Orozco-Nunnally, D.A., Kaufman, L.S. and Warpeha, K.M. [2013] G-Protein Signaling in UV Protection: Methods for Understanding the Signals in Young Etiolated Seedlings. *G-Protein Coupled Signaling in Plants*. In: *Methods and Protocols Series: Methods in Molecular Biology*, ed. Running, M.P. 1043;89-101.

Warpeha, K.M. and Kaufman, L.S. [2009] UV-effects on young seedlings of soybean: Effects in early development and long-term effects. In: *UV Radiation in Global Change: Measurements, Modeling and Effects on Ecosystems*. Springer-Verlag and Tsinghua, University Press. Pp. 488-502.

Kaufman, L.S., Gao, J., Bhattacharya, K., Tilghman, J., Marsh, J., Marrs, K.A. and Warpeha, K.M. [1994] Blue-light regulation of Cab gene expression in the apical buds of peas and the cotyledons of Arabidopsis. In: *Frontiers of Photobiology*. ed. Shima A, Ichahashi M, Tujiwara Y and Takebe H. Excerpta Medica, Amsterdam. Pp. 37-39.

Kaufman, L.S., Marrs, K.A., Warpeha, K.M., Gao, J., Bhattacharya, K., Tilghman, J. and Marsh, J.F. III [1993] Blue-light regulated gene expression. In: *Cellular Communication in Plants*. ed. Amisino, R. Plenum, New York. Pp. 21-26.

Warpeha, K.M., Marrs, K.A. and Kaufman, L.S. [1991] The effects of blue-light on plant growth. In: *Yearbook of Science and Technology*. McGraw-Hill, New York. Pp. 310-311.

Thompson, W.F., Flavell, R.B., Watson, J.C. and Kaufman, L.S. [1988] Chromatin structure and expression of plant ribosomal RNA genes. In: *The Architecture of Eukaryotic Genes*. ed. Kahl G. VCH Verlagsgesellschaft, Frankfurt. Pp. 386-396.

Thompson, W.F., Kaufman, L.S., Horwitz, B.A., Sagar, A.D., Watson, J.C. and Briggs, W.R. [1988] Patterns of phytochrome-induced gene expression in etiolated pea buds. In: *Beltsville Agricultural Research Center Symposium Volume XII*. ed. Steffens GL and Rumsey TS Kluwer Academic, Boston. Pp. 269-285.

Briggs, W.R., Mandoli, D.F., Shinkle, J.R., Kaufman, L.S., Watson, J.C. and Thompson, W.F. [1985] Phytochrome regulation of plant development at the whole plant, physiological and molecular levels. In: *Sensory Perception and Transduction in Aneural Organisms*. ed. Colombetti G and Song P-S Plenum Press, New York. Pp. 265-279.

Kaufman, L.S., Watson, J.C., Thompson, W.F. and Briggs, W.R. [1985] Photoregulation of nuclear encoded transcripts in pea: Blue-light control of specific transcript abundance. In: *Molecular Biology of the Photosynthetic Apparatus*. ed. Steinbeck K Cold Spring Harbor Press. Pp. 265-279.

Kaufman, L.S. and Lyman, H. [1981] Synergism between red light and yellow-green light with respect to chlorophyll synthesis in Euglena. In: *Proceedings of the Fifth International Congress on Photosynthesis. V. Chloroplast Development*. ed. Akoyunoglou G. Balaban International Science Service, Philadelphia, USA. Pp. 933-938.

## Invited Symposia and Meeting Presentations

### Plant Biology Research

#### Invited Symposia Presentations

Donald J Danforth Plant Sciences Center 11<sup>th</sup> Annual Fall Symposium: Signal Transduction Systems. Sponsored jointly by the Donald J. Danforth Plant Science Center and the Monsanto Company. "Mitigating stress responses in soybean and Arabidopsis: G protein regulation of phenylalanine synthesis and the quercetin cycle." St Louis, MS. Sept 23-25, 2009.

Illinois Soybean Board Annual Meeting, "Can phenylalanine be used to reduce the virulence of SCN [Soybean Cyst Nematode] and improve the survival of soybean (Glycine max)?" , Urbana, IL, June 2009.

25<sup>th</sup> Annual Interdisciplinary plant Science Group Symposium: Photobiology. May 28-June 1 2008. The role of G protein mediated signaling and phenylalanine plant stress responses. University of Missouri-Columbia, Columbia, MS, May 28 – June 1, 2008.

#### Poster / Oral Presentations at National / International Meetings

Baek, J., Muhammad, D., Launiere, C., Fan, X., Orozco-Nunnally, D., Kaufman, L.S. and Warpeha.K.M., "Development of application methods and transgenics for expression of phenylalanine in crop plants." Annual meeting of the MidWest section of the Annual Meeting of the American Society of Plant Biology, Chicago, IL, March 23-24, 2013.

Warpeha, K.M., Sullivan, J., Kaufman, L.S. Gibbons, J., Orozco-Nunnally, D., Muhammad, D., Wakasa, K. and Yamada. T. "Seedling Vulnerability to Abiotic Stressors: Recovery and Phenylpropanoids." Annual Meeting of the American Society of Horticultural Sciences, Miami, FL, July 31-August 3, 2012.

Orozco-Nunnally D., Gibbons, J., Kukuza N., Plachta K., Kaufman L, Warpeha KM. "Abiotic stimuli mediated through GCR1-GPA1-PD1/ADT3 early in development: importance of phenylalanine supply and developmental state." Annual Meeting of the American Society for Plant Biology, Austin TX, July 20-24, 2012.

Warpeha KM., Orozco-Nunnally D. Mezzich R, Ronan T, Muhammad D, Kaufman L, Williams A. "Pirin1: an important regulator of early light and UV responses through a dual mechanism." Annual Meeting of the American Society for Plant Biology, Austin TX, July 20- 24, 2012.

Muhammad, Durre, Niblack, Terry, Launiere, Cari, Mezzich, Raquel, Hartman, Glen, Reuter-Carlson, Ursula, Jones, Douglas, Sullivan, Joe, Baek, J., Hernandez deLuna, M, Kaufman, Lon, Warpeha, KM." Early development and resistance to abiotic and biotic stressors is affected by phenylalanine pool in young developing plants." Annual Meeting of the American Society for Plant Biology, Austin TX, July 20-24, 2012.



Warpeha, K.M., Muhammad, D., Niblack, T., Launiere, C., Mezzich, R., Hartman, G., Reuter-Carlson, U., Jones, D., Sullivan, J., Eddington, D. and Kaufman, L.S. "Administration of Particular Phenylpropanoids and/or Amino Acids Early in Development Improves Antioxidant Production and Can Improve Yield in Some Crop Plants" (Oral Presentation), Annual Meeting of the American Society for Horticultural Sciences, Waikoloa, Hawaii. September 26, 2011.

Warpeha, K.M., Muhammad, D., Niblack, T., Launiere, C., Mezzich, R., Hartman, G.I, Reuter-Carlson, U., Jones, D., Sullivan, J., Eddington, D. and Kaufman, L.S. "Phenylalanine and abiotic stress: predation/parasitism greatly reduced by phenylalanine and phenylpropanoids." (Poster), Annual Meeting of the American Society for Plant Biology, Minneapolis, MN. National. August 9, 2011.

Warpeha, K.M., Orozco-Nunnally, D., Mezzich, R., Lee, B.S., Jayathilaha, L., Kaufman, L.S.. Annual Meeting of the American Society for Plant Biology, "Pirin1 interacts with NF-Y in response to light, and interacts with GPA1 in inactive conformation (darkness) to regulate quercetin." (Oral Presentation), Minneapolis, MN. National. August 8, 2011.

Nunnally, D.A., Warpeha, K.M., Mezzich, R., Lee, B.-S., Jayalikhatha, L. and Kaufman, L.S. "G-protein-regulated Pirin: nuclear factor and quercetinase". Joint Annual Meeting of the American Society of Plant Biologists & the Canadian Society of Plant Physiologists - La Société Canadienne de Physiologie Végétale, Montreal, Quebec, Canada, July 31- August 4, 2010.

Warpeha, K.M., Kukuza, N.O., Plachta, K., Patel D., Nunnally, D.A., Botella, J.R. and Kaufman, L.S., "G-proteins: critical signaling components of abiotic stimuli in young seedlings." Joint Annual Meeting of the American Society of Plant Biologists & the Canadian Society of Plant Physiologists - La Société Canadienne de Physiologie Végétale, Montreal, Quebec, Canada, July 31- August 4, 2010.

Warpeha, K.M., Plachta, K., Patel, D.N., Kukuza, O., Botella, J. and Kaufman, L.S., "Various abiotic signals are mediated via a G-protein-mediated cassette: implications for early development in Arabidopsis". Society for Experimental Biology, Annual Main Meeting (International), Glasgow, Scotland UK, June 28- July 1, 2009.

Warpeha, K.M. , Carol, A., Gibbons, J., Tree, R., Slusser, J. and Kaufman, L.S., "Phenylalanine is critical to protection from UV radiation in Arabidopsis and soybean". Joint Congress of the American Society of Plant Biologists, American Fern Society, American Society of Plant Taxonomists, and Botanical Society of America, Chicago, IL, July 7-11, 2007.

Kaufman, L.S., Warpeha, K.M. , Upadhyay, S., Yeh, J., Adamiak, J., Hawkins, S.I., Lapik, Y. and Anderson, M.B., "The GCR1, GPA1, Pirin1, NF-Y signal transduction chain mediates both blue light- and ABA responses in etiolated Arabidopsis." Joint Congress of the American Society of Plant Biologists, American Fern Society, American Society of Plant Taxonomists, and Botanical Society of America, Chicago, IL, July 7-11, 2007.

Warpeha, K.M., Lateef, S., Lee, B.-S., Lapik, Y. and Kaufman, L.S., "GCR1, GPA1 and prephenate dehydratase are required for blue light-induced production of phenylalanine in etiolated Arabidopsis". Joint meeting of the 16<sup>th</sup> Annual Conference on Arabidopsis and American Genetic Association 2005 Annual Meeting, University of Wisconsin-Madison, Madison, WI, June 15-19, 2005.

Warpeha, K.M., Upadhyay, S., Yeh, J., Hawkins, S.I., Lapik, Y. and Kaufman, L.S., "The GCR1, GPA1, Pirin1, NF-Y-A5/B9 signal chain mediates both blue light and ABA responses in Arabidopsis". Joint meeting of the 16<sup>th</sup> Annual Conference on Arabidopsis and American Genetic Association 2005 Annual Meeting, University of Wisconsin-Madison, Madison, WI, June 15-19, 2005.

Warpeha, K.M., Hawkins, S.I., Lapik, Y. and Kaufman, L.S., "CCAAT/-binding proteins: a signalling component of the BLF-system" The 14th International bi-annual Conference on Arabidopsis Research, University of Wisconsin-Madison, Madison, WI, June 13-18, 2003.

## Higher Education Scholarship

### Invited Keynotes, Panels & Lectures

APLU – CAA (Provosts) Annual Meeting, Panelist, Strategies for Assuring Transfer Articulation in an Urban Setting, July 20, 2014.

AAC&U Annual Meeting, Keynote Speaker, Chicago Illinois, March 29, 2014.

NSF-STEP PI Annual Meeting, Panelist, Strategies for Promoting Diversity, NSF, Washington, D.C., March, 2011.

NSF-STEP PI Annual Meeting, Panelist, Math Remediation, NSF, Washington, D.C., March, 2010.

University Vice President Network Meeting, "The Sigma Xi National Survey of Undergraduate Research," Reinvention Center, Miami University, Miami, FL, November 16, 2007.

Chicago Teachers as Scholars, "Perception and Responses to Changes in the Environment." The Newberry Library, Chicago, IL, May 29, & 30, 2007.

### Short Talks and Posters

Bottoms, B. L., Kaufman, L. S., Moss, T., Williams, S., & Deanna, L. "Launching a campus-wide student success effort at the University of Illinois at Chicago: An overview of process and programs." Invited presentation at the Reinvention Center's Undergraduate Vice Provosts Network Meeting, North Carolina State University, Raleigh, NC, October 2013.

Flemming-Hughes, M., Kaufman, L.S. et al., STEP-ASCEND Program at UIC. Annual NSF-STEP PI Meeting, NSF, Washington, D.C., March 2007, 2008, 2009, 2010.

Diaz, F., Kaufman, L.S. and Majumdar, D., "Recent developments in Transitional Mathematics Learning at UIC: The Math 075 Story" Excellence in Teaching Mathematics and Science: Research and Practice, DePaul University, Chicago, IL, March 14, 2007.

## External Funding

### Plant Biology Research

#### Federal Funding

USDA	9/86-8/88	\$ 90,000	Blue Light Regulation in Peas
USDA	9/88-8/90	\$ 216,000	Developmental Regulation of rDNA Expression
NSF	8/90-7/93	\$ 224,000	Blue Light Regulation in Peas
NSF	8/92-7/93	\$ 5,000	REU Supplement
USDA	9/92-8/95	\$ 205,000	Characterization of a BL Activated G- Protein
USDA-NSF	9/92-8/95	\$ 180,000	Interactions Between the Plant Cell Wall, Plasma Membrane and Cytoskeleton. (Network Grant)
USDA	9/95-8/97	\$ 100,000	Blue Light Regulation
USDA	9/97-8/99	\$ 95,000	The Blue Low Fluence System
USDA	9/99-8/01 (This was the #1 grant at panel that year.)	\$ 160,000	The Blue Low Fluence System
NSF	9/99-8/02	\$ 180,000	Blue Light Directed RNA Destabilization
USDA	9/01-8/03	\$ 200,000	The Blue Low Fluence System
USDA	9/03-8/05	\$ 150,000	The Blue Low Fluence System
USDA	8/06-7/08	\$ 80,000	Sub-Contract UV-B Monitoring Program
NSF	6/09-5/13	\$ 337,000	G-Protein Regulation of Phe Synthesis

#### Illinois Soybean Association Funding

SCN	1/09-12/11	\$ 154,500	Can Phenylalanine confer resistance to Soybean Cyst Nematode?
Pests	1/10-12/11	\$ 116,000	Can Phenylalanine confer resistance to Japanese Beetles?

### Higher Education Scholarship

AmeriCorps	1/04-12/08	\$ 750,000	Chicago Civic Leadership Certificate Program
NSF	9/05-8/10	\$ 2,000,000	STEP – ASCEND
Anon Found.	3/13-2/15	\$ 425,000	Using Data to Understand Factors that promote Student Success, to Prioritize Interventions and to Inform Chicago High Schools and Universities (Co-recipient with Vice Provost for Undergraduate Affairs).