



Item: SP: A-1

STRATEGIC PLANNING COMMITTEE

Monday, September 10, 2007

SUBJECT: MAX PLANCK SOCIETY PROJECT

PROPOSED COMMITTEE AND BOARD ACTION

The Administration requests the Strategic Planning Committee of the Board of Trustees consider the opportunity for FAU to collaborate with the Max Planck Society. The Administration asks the Board to grant authority to the President to negotiate on behalf of the university with regard to the following four elements:

- The extension of a sublease of approximately six acres of the FAU Jupiter Campus to the Max Planck Society for the construction of a permanent facility
- The design of a transitional plan for Max Planck to use a portion of the Scripps temporary buildings on the Jupiter Campus.
- The establishment of an academic and research affiliation agreement between Max Planck and FAU
- Approximately 10,000 square feet of classroom, office, and lecture space for FAU designated in the County constructed permanent building for Max Planck

The President will bring the details of each of the elements to the Board for their final approval.

BACKGROUND INFORMATION

During the past four and half years, Florida Atlantic University has had the privilege of working with some of the world's biotechnology giants to further research and economic development opportunities in Florida. We are once again excited to be at the table with an internationally preeminent research authority.

The University administration recommends to the Florida Atlantic University Board of Trustees that Florida Atlantic University sublease six acres of our Jupiter campus to the Max Planck Society, to house the Max Planck Florida Institute. The Institute plans to be located in an approximately 100,000 square-foot research building funded by Palm Beach County and the State of Florida. We are excited to highlight that 10,000 square feet within that building would be reserved for our use. It is slated to contain classroom, office and auditorium space. This will

enable FAU to retain and maximize its long-term use of the 75,000 square feet of state-of-the-art research lab space now being used by the Scripps Research Institute, while simultaneously providing needed classroom and office space to further our educational activities.

This conceptual framework will also provide FAU a priority academic and research affiliation agreement that will include provisions for joint facilities use, joint faculty and student recruitment opportunities, joint seminars and public forums, courtesy faculty appointments to enable Institute scientists to teach and train FAU students, and a formal inter-institutional framework for collaborative research, among other synergies.

This is a truly exciting endeavor for our students, faculty, researchers and the community as a whole. In a very short period of time, Florida has emerged as the biotech hub of the future, and we are honored to be a part of it. We are also very pleased to once again be working with the Business Development Board of Palm Beach County, which has been a great partner on many important initiatives

IMPLEMENTATION PLAN/DATE

The initial plan is for the establishment and development of Max Planck Florida to take approximately five years. The County will be seeking State of Florida economic development funds from the State Legislature in October. Finalization of agreements and timelines should be completed by January 2008.

FISCAL IMPLICATIONS

These are to be determined

Supporting Documentation:

Max Planck Florida Institute at a Glance

Summary of the Plan

Letter to Dr. Peter Gruss

Outline of Events Leading to Decision to establish Florida Operations

Schematic of proposed site for permanent building

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MAX-PLANCK-GESELLSCHAFT

MAX PLANCK FLORIDA INSTITUTE

AT A GLANCE

Max-Planck-Gesellschaft zur Förderung
der Wissenschaften e.V. München

(Max Planck Society for the Advancement of Science)

Munich, August 2007



MAX-PLANCK-GESellschaft

Background: Florida's Life Science Cluster

The State of Florida has undertaken a visionary initiative to transform the economic landscape of the State by investing in Life Science clusters. Although biotechnology initiatives have been created in many countries around the globe, Florida has already demonstrated unprecedented success in attracting several anchoring institutions to join the State. One of these, The Scripps Research Institute Florida, located in Northern Palm Beach County, has already begun to produce measurable results in terms of educational and economic benefit.

The Max Planck Society: Cutting-edge Research for the Future

The Max Planck Society of Germany is one of the strongest research organizations world wide. Its mandate is to carry out outstanding basic research at the highest international level in its own research institutes, most of which are located in Germany. With 16 Nobel Laureates since 1948, an annual budget of 1.6 billion US\$, 12,400 staff and another 12,000 young researchers, visiting scientists and PostDocs, it pioneers research programs in distinct areas ranging from astronomy to the humanities, with one special focus on biomedical research. It is well linked to leading science worldwide and will make its networks available to its partners in Florida.

In spite of the focus on basic research, the research performed by the Max Planck Institutes induces and safeguards economic growth: In total, Max Planck scientists have made more than 2,300 inventions. There are almost 1,400 license agreements in place – almost 600 of them with non-German companies. Through more than 70 start-ups in which Max Planck scientists have been involved a workforce of more than 2,200 has been created. The tech transfer company Max-Planck-Innovation, a full subsidiary of the Max Planck Society, is among the most successful tech transfer agencies in Europe.

Max Planck Florida Institute: The vision

The Max Planck Florida Institute is planned to focus its scientific activities on bioimaging. In this area the Max Planck Society is widely considered the world leader. Bioimaging is indispensable to a rapid translation of basic research into clinical application, improving health and creating wealth for its population through a stronger biotechnology industry.

The Max Planck Florida Institute for Bioimaging will have the potential unite the power of advanced optical microscopy, magnetic resonance imaging, and imaging sciences to study the structure, dynamics, and function of molecules and tissues that underlie challenging problems in biology, bioengineering, and medicine.

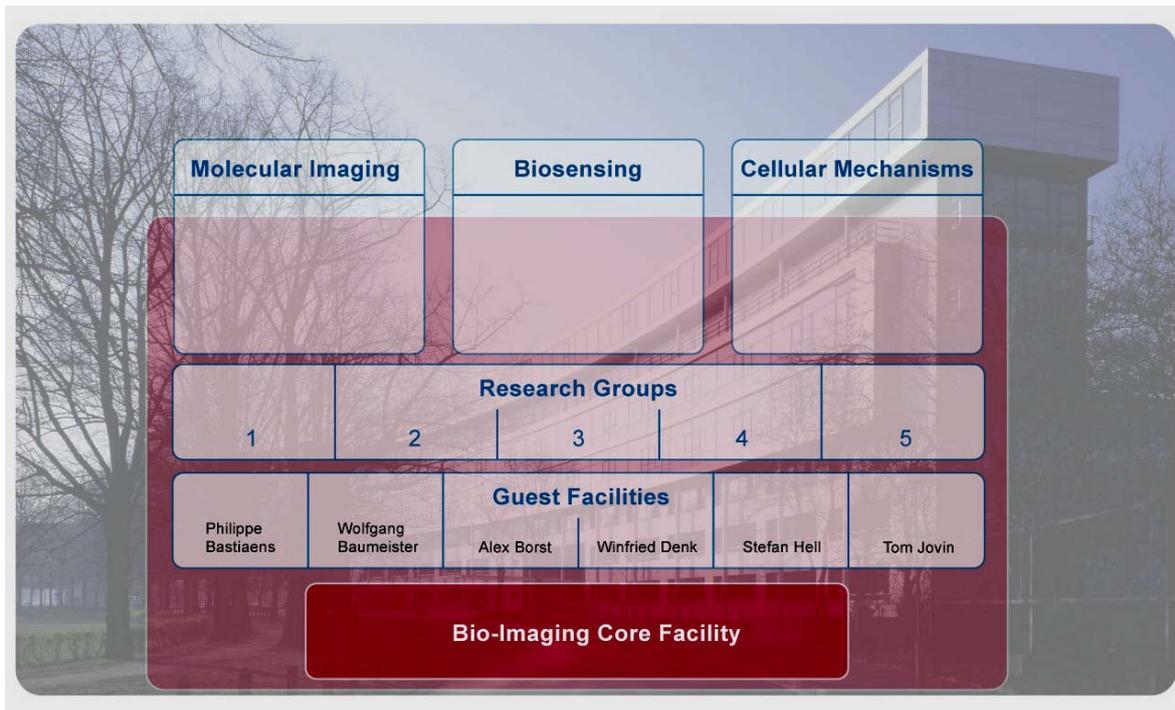
The Institute will comprise academic departments dedicated to:

- the exploration of new imaging approaches in biomedical research and the testing of



- imaginative new ideas challenging existing paradigms and techniques,
- the further development of existing techniques in bioimaging that promise substantial advances in spatial resolution, sensitivity, and specificity,
- the transfer of scientific concepts into operational implementations of future technologies that lead to solutions of important problems in both biomedical research and diagnostic imaging,
- the furthering of translational concepts in biomedicine from the molecular level to patient-oriented research,
- the establishment of a platform for exchanging ideas and expertise in multidisciplinary biomedical research projects.

In order to accomplish these goals, the Max Planck Florida Institute is conceived to consist of scientific departments, junior research groups, a core facility for the imaging sciences, and a guest facility.



When complete, the institute will add a significant boost to the economy of Palm Beach and the whole of Florida, both by delivering a highly trained workforce and by creating ideas which can be taken up by the private sector to create profits. The synergy with SCRIPPS Florida and FAU will make the investment made so far even more valuable:

Max Planck Florida will be closely linked with the universities in Florida, in particular with Florida Atlantic University, and will work with the renowned local research facilities of The Scripps Research Institute and others, thus speeding up considerably the formation of a strong biotech cluster in Florida.



MAX-PLANCK-GESELLSCHAFT

The Max Planck Society's scientific involvement in Florida will serve to boost the educational and training opportunities available to students and junior scientists. The Max Planck Society's most successful program for promoting junior scientists, the International Max Planck Research Schools (IMPRS), could be used as a basis for establishing a new educational framework for Ph.D. candidates in Florida, too. Moreover, Max Planck Florida will ensure intensive exchange between graduate students and the Max Planck Society: each graduate student in Florida should have the opportunity as part of his or her Ph.D. thesis to work at a Max Planck Institute in Germany.

Scripps and Max Planck Society have agreed on synergistic research profiles aimed at improving education and healthcare within the State of Florida. This in turn creates the opportunity to accelerate the development of a Life Science cluster. **Together, Florida based Universities, Scripps Florida and Max Planck Florida can serve as the central anchoring point for a knowledge based, sustainable blooming biotechnology landscape in Florida.**

Max Planck Florida Institute: The Economic Impact

Through its involvement in Florida, the Max Planck Society intends to contribute to the development of a strong research environment in Florida as a motor for the biotech industry. Experience from Germany shows that a Max Planck Institute successfully attracts companies both in a regional cluster and as partners in licensing contracts. As an example, one of the most successful biotech campuses in Germany, Martinsried near Munich, has formed around the Max Planck Institutes of Biochemistry and for Neurobiology.

As in Germany, the Max Planck Florida Institute will also actively pursue to spin off start-up companies, to transfer its knowledge to companies and to provide skilled workforce for the regional biotech industry.



Summary of Plans to Create a Max Planck Institute in Palm Beach County

Planned Operations

- Scientific focus on **bio-imaging** using the most advanced techniques for visualization of microscopic molecular processes to achieve a **deeper understanding** of the structure, dynamics, and function of molecules and tissues in order to tackle **challenging problems in biology, bioengineering, and medicine**
- Emphasis on translating discoveries from a molecular level to a patient-oriented application.
- Building requirement of 100,000 sq. ft. facility.
- Accommodations to be made by Scripps Florida in its temporary buildings until a permanent facility is constructed – agreement by Dr. R. Lerner – President, TSRI
- Substantial complimentary, **collaborative relationship with Scripps-Florida**.
- Strong links to FAU to enhance its bioscience programs.
- Full engagement in the education system with outreach to all sectors of society.

Innovative track-record

- Max Planck Innovation: technology transfer arm that focuses on commercializing discoveries through spin-offs. **76 spin-offs since 1990 creating 2,250 direct jobs.**

Return On Investment¹

Economic activity as a result of Max Planck being in Palm Beach County 2008-2027:

Gross Regional Product:	\$354,457,000
Economic output:	\$517,239,000
Personal income:	\$330,995,000

Global average salary of 135 new Max Planck jobs \$58,856 – **147% of average salary**

- Adding this institute to Palm Beach County would internationalize the cluster and add depth;
- The addition of an institution such as the Max Planck fits into the County's Economic Development strategy;
- The Institute aims to bring substantial grants from NIH and others, into the county's economy.
- The Institute's presence will add to the development of new intellectual property.
- Co-locating Scripps and Max Planck will create a unique global magnet – the two largest and most respected institutes together.

Accolades & Statistics

- The Max Planck Society **employs approx. 23,400 people** worldwide
- Annual budget \$1.9 b – German Federal and State Governments account for ~80%
- Extremely successful in winning **Nobel Prizes - 16 since 1948**
- **Ranked #1 in 2006 for world non-university institutions in science**
- Ranked # 7 in 2006 for world non-university institutions in bioscience²
- Worldwide top-ranking in scientific output and impact - #4 in all areas of science and # 2 in biosciences³
- Approximately 43% of employees are women – equal opportunity employer.

¹ Using Regional Economic Model, Inc. (REMI)

² According to the 2006 Times Higher Education Supplement

³ ISI 2007



September 4, 2007

Professor Dr. Peter Gruss
President of the Max Planck Society
Postbox 101062
D-80084 Munich
GERMANY

Dear Professor Gruss:

I most enjoyed meeting you recently and I would like to take this opportunity to follow up on that meeting. I am writing to suggest areas where FAU and the Max Planck Society are in agreement which would facilitate your coming to Florida and to establish a basis for future collaborations between our institutions. In this regard, I think there are a number of matters that officials from the Max Planck Society have discussed with our FAU administrators. It would further those discussions to reduce them to writing at this point

1. Use of FAU Facilities.

FAU feels that having a major world-class research/academic institute such as the Max Planck Society on our campus would benefit both in very significant ways. For that reason, we would propose to continue discussing ways to use facilities and equipment here at FAU for our mutual benefit. As you know, FAU previously entered into a facility use agreement with the Scripps Research Institute and we propose using those terms as a basis for our future discussions. Other joint use of facilities and equipment can be discussed as time and the requirements of our institutions develop.

2. Courtesy FAU faculty appointments for Max Planck Society scientists.

Another area of discussion has been concerning Courtesy Faculty appointments. FAU would like to encourage your faculty to become significantly involved in our teaching and research programs and become members of our graduate faculty (in some cases undergraduate faculty as well). This would allow our students to work and train in the laboratories under the guidance of your world-class scholars. At the same time, this would establish a positive way to promote genuine joint collaborations between FAU faculty, postdoctoral scholars, technicians, students and your faculty.

3. Joint faculty and student recruitment.

It has been suggested that it would be ideal to eventually have new faculty coming into the Max Planck Society be cooperatively, and in some instances, jointly recruited with FAU. This could be modeled after the kinds of joint appointments that exist at other major institutions in the U.S which have significant relationships with universities. As you feel appropriate, we can provide examples of such joint appointments. This approach may also be appropriate for recruitment of Eminent Scholars/Endowed Chairs.

4. Establish commitment to have joint seminars, public forums, etc.

FAU has created a Nobel Laureate Lectures Series with the Scripps Research Institute. We propose that a similar kind of major public lecture series and/or conference be created with the Max Planck Society. These discussions could also include the addition of the Max Planck Society to the present Nobel Laureate Lecture Series, if mutually agreeable to all parties.

5. Collaborative Research agreements between FAU and the Max Planck Society.

One of the primary goals of our discussions is to foster collaborative research between our institutions. As our FAU faculty and researchers meet with those of the Max Planck Society, we would like to foster collaborative research proposals. As those research proposals are agreed upon, we would like to reduce them to written agreements addressing such issues as:

- a. the scope of work
- b. the role each principal investigator will play
- c. the budget and funding source for the research
- d. agreed upon indirect cost recovery rates to prevent any delays caused by differing institutional rates
- e. Intellectual Property ownership
- f. Compliance with both United States and German regulations governing research

6. Creation of basic form agreements.

FAU has found that the process of collaborative research is greatly facilitated if we can agree on certain basic form documents such as inter-institutional agreements, material transfer agreements, confidentiality agreements and collaborative research agreements. Whereas the specific terms such as those set forth in 5 above are negotiated on a case by case basis, the basic form can be agreed upon and used thereby greatly speeding up the process.

If the above accurately sets forth the discussions to date and provides a framework for future negotiations, please let me know at your earliest convenience. We are most interested in proceeding with discussions. After meeting with you, I can say that FAU is very much looking forward to working with the Max Planck Society and in facilitating your arrival here in South Florida.

Sincerely,



Frank T. Brogan
President

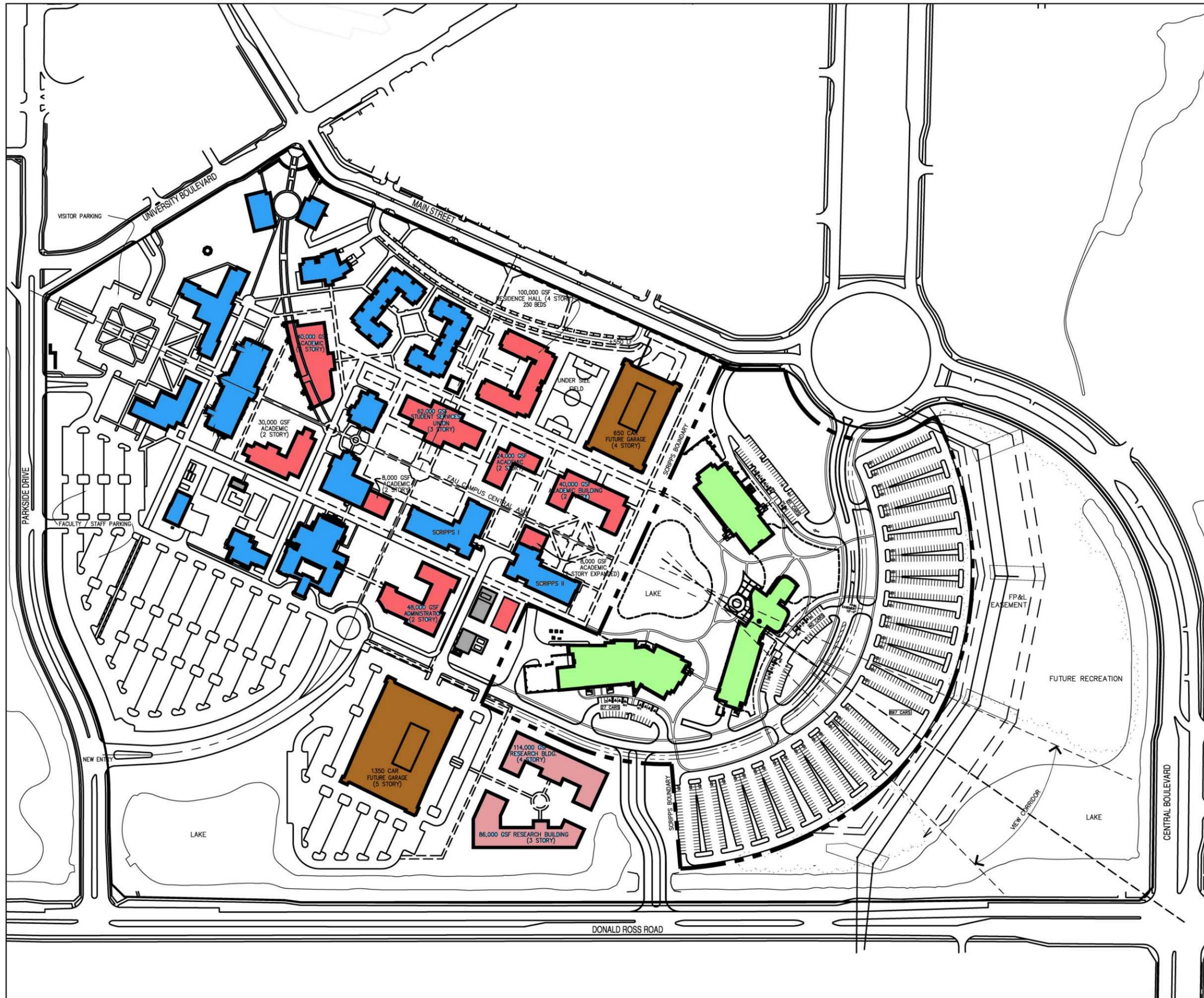


Max Planck Research Building Proposed Schedule

Florida Atlantic University's MacArthur Campus in Jupiter, Florida
100,000 gross square feet

Tentative Project Schedule:

<u>Activity</u>	<u>Start</u>	<u>End</u>	<u>Duration</u>
Facility Programming	01/01/2008	02/01/2008	32 Days
Architect/Engineer/Construction Manager Selections	01/01/2008	03/1/2008	61
A/E/CM/Negotiations/Contracts	03/1/2008	03/14/2008	14
Program Verification	03/14/2008	03/24/2008	11
Design	03/24/2008	11/01/2008	223
Guaranteed Maximum Price and Permitting	11/01/2008	02/01/2009	93
Negotiations/Contracts	02/01/2009	02/14/2009	14
Construction	02/14/2009	12/14/2009	304
Punchlist/Furniture Move-in	12/14/2009	12/31/2009	18



MacARTHUR CAMPUS MASTER PLAN

PLANNED FAU DEVELOPMENT UNDER THIS AMENDMENT

LEGEND:

- EXISTING FAU BUILDINGS
- SCRIPPS BUILDINGS UNDER CONSTRUCTION
- 360,000 GSF FUTURE FAU DEVELOPMENT
- 200,000 GSF FUTURE FAU RESEARCH BLDGS
- PROPOSED PARKING GARAGES - 2,000 CARS

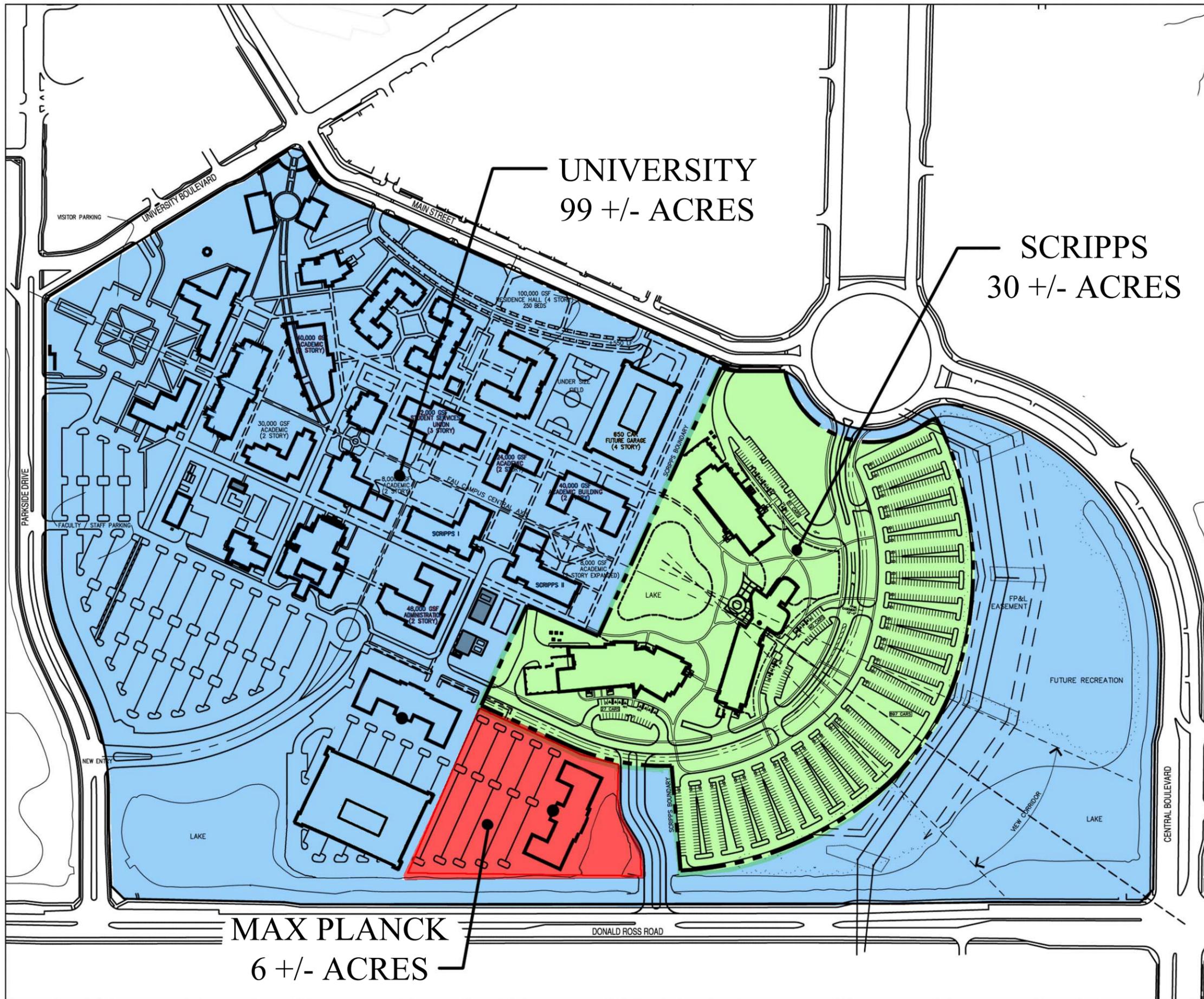
SOURCE: PGAL CONCEPT

COMPREHENSIVE MASTER PLAN
GOALS, OBJECTIVES, & POLICIES



DRAFT APRIL 30, 2007

PROPOSED MAX PLANCK INSTITUTE ACREAGE MAP



UNIVERSITY
99 +/- ACRES

SCRIPPS
30 +/- ACRES

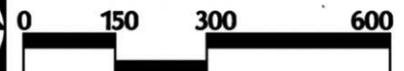
MAX PLANCK
6 +/- ACRES

LEGEND:

- UNIVERSITY ACREAGE
99 +/- ACRES
- SCRIPPS ACREAGE
30 +/- ACRES
- MAX PLANCK ACREAGE
6 +/- ACRES

TOTAL CAMPUS = 135 ACRES


**FLORIDA ATLANTIC
UNIVERSITY**
MACARTHUR CAMPUS
 JUPITER, FLORIDA



Sept 7, 2007

PROPOSED MAX PLANCK INSTITUTE SITE PLAN

Land Area Requirements:

Building: 100,000 GSF / 3 floors = 33,400 SF
 Drainage area for building (15% +/-) = 5,000 SF
 Building and Drainage total area = 38,400 SF

Parking required 3.3 space/1,000 SF = 330 spaces

Parking Area at 350 per space = 115,000 SF
 Drainage of 15% +/- = 17,250 SF
 Parking and Drainage total area = 132,250 SF

Building and Drainage Acreage: 0.88 ac
 Parking and Drainage Acreage: 3.04 ac
 Subtotal: 3.92 ac

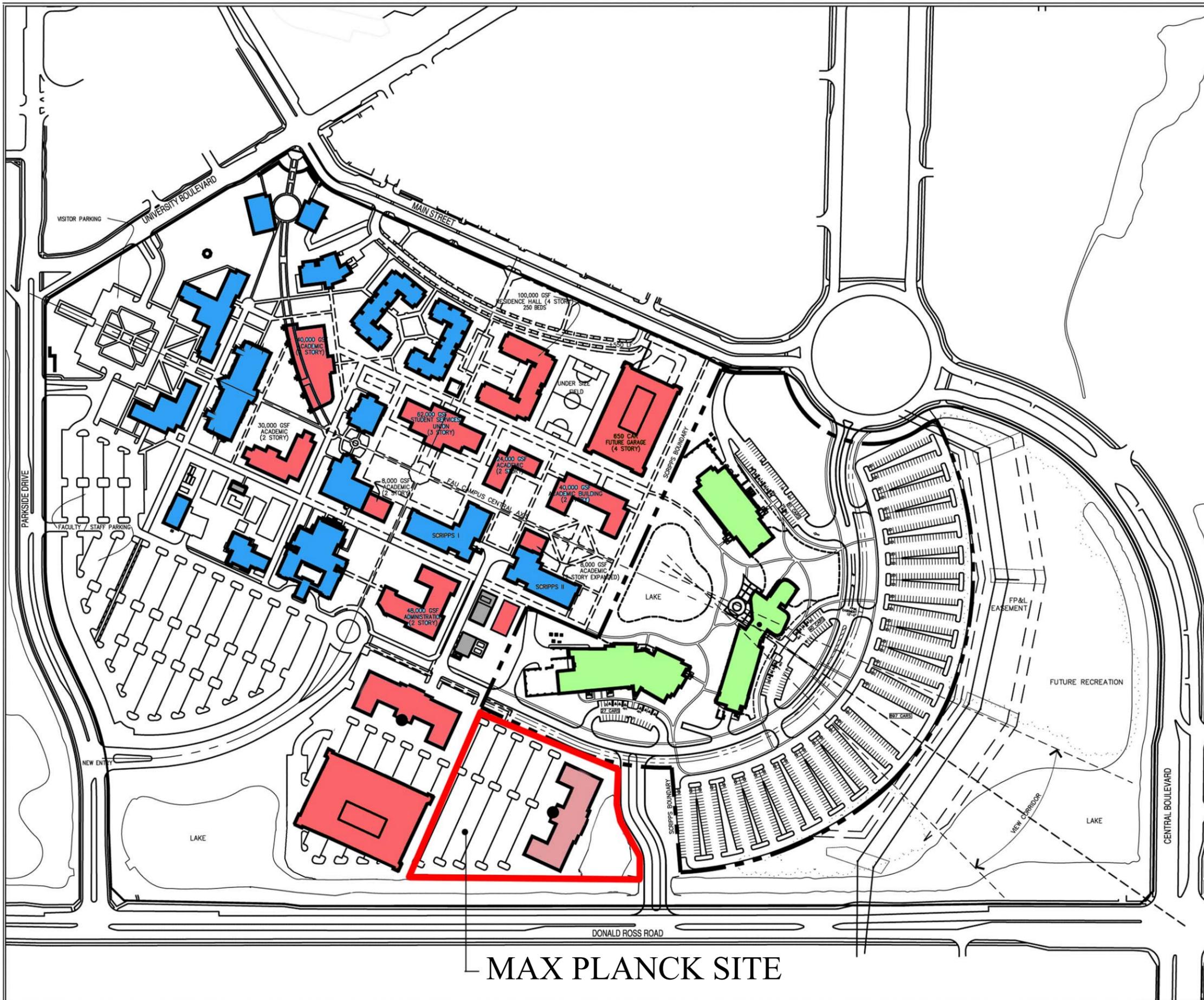
Total Acreage shown in red outline:
 235,148 SF or 5.4 acres +/-

Area available for green space & walks: 1.48 acres +/-

- EXISTING UNIVERSITY BUILDINGS**
- EXISTING SCRIPPS BUILDINGS**
- FUTURE UNIVERSITY BUILDINGS**
- PROPOSED MAX PLANCK BUILDING**



Sept 7, 2007



MAX PLANCK SITE