TUAT **Introduction to Center for Innovation and** Faculty of Agriculture, Faculty of Engineering and Faculty of Bio-Applications and Systems Engineering (BASE) **Intellectual Property at TUAT** ➤ 400 Faculty members > 4,300 Undergraduate students, 2,000 Graduate Students Fuchu campus (Faculty of Agriculture) ST -January 2008 Koganei campus (Faculty of Engineering, BASE) Tokyo Univ. of Agri. & Tech. 2-24-16 Naka-cho, Koganei, Tokyo, 184-8588, Japan. 東京農 E-mail: nakagawa@cc.tuat.ac.jp TAT TAT History of Industry & Academia Collaboration at TUAT **Core Functions** 1988 Foundation of Cooperative Research Center Inst. of Symbiotic Sci. & Tech. · Help faculty to apply research fund. • 1996 Expansion & Venture Business Lab. Future Nano-science and Technology (COE Strategic Research Initiative) > 15 staffs and 10 coordinators • 1999 Liaison coordinator & Promote Joint R&D with Industry. Sustainability and Survival (COE Strategic Research Initia [Leading Project by MEXT] patent attorney as guest professor > No.1 in the number of Rank A projects 2001 Professor & Assoc. Professors > No.1 in the number of projects per professor • 2001 TUAT-TLO Co., Itd. Agriscience and Bioscience > One of 6 super headquarters in Japan • 2003 On-Campus Incubator Ecosciences · Promote international collaboration in R&D. 2003 IP Headquarters Animal Life Science > One of 12 headquarters in Japan • 2004 Symbiotic Sci. and Tech. Biotechnology and Life Science Manage intellectual properties. as research institute 2005 School of MOT > 3 patent attorneys and 5 staffs Bio-Applications and Systems Engin • 2005 Super Headquarters among 6 Incubate start-ups. Advanced Materials Science and Technol 2006 MEXT Fund for > Campus incubator by MEXT and Regional incubator by METI in the establishing tenure track system Systems and Information Technology single campus. • 2007 Regional Incubator on campus > 4 incubation managers Mathematics and Human Sciences • 2007 International Headquarters TAT **Financial Support from Outside Funds Research Fund from Companies per Professor** (x1,000yen) TUAT is prominent among other Universities 200 2005







Increase of the Government Budget if it were allocated according to the amount of the Grants-in-Aid for Scientific Research (NSF) (Estimated by the Ministry of Finance)



TUAT-TLO Co., Ltd.

- The marketing company of IPs from TUAT
- Established Oct.1, 2001
- Permitted Dec.10, 2001 (24th in Japan)
- Capital 80 million yen
- Invested by 522 individuals (TUAT faculties and graduates)
- Team: 5 license associates, 3 office workers

Reputation and Evaluation of TUAT

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Ranking in the Amount of Outside Funds and Activities in Industry-Academia Collaboration (FY 2005)

R a n k	Number of Joint Research Projects per Faculty Member	R a n k	Joint Research Funds per Faculty Member (x10 ³ yen)	R a n k	Ratio of Outside Funds to Revenue* (%)	R a n k	Cumulative Number of Venture Creation per Faculty Member	
1	TUAT (0.59)	1	TUAT (1,479)	1	Nara Inst. of Sci. and Tech. (19.0)	1	Kyushu Inst. of Tech. (0.100)	
	Kitami Inst. of Tech. (0.59)	2	Nagoya Inst. of Tech. (1,233)	2	Univ. of Tokyo (17.5)	2	Toyohashi Univ. of Tech. (0.076)	
	Muroran Inst. of Tech. (0.54)	3	Tokyo Inst. of Tech. (1,091)	3	TUAT (16.4)	3	Japan Advanced Inst. of Sci. & Tech. (0.071)	
3	Japan Advanced Inst. of Sci. & Tech. (0.54)	4	Nara Inst. of Sci. and Tech. (993)	4	Tokyo Inst. of Tech. (15.8)	4	Nara Inst. of Sci. and Tech. (0.069)	
	Nagoya Inst. of Technology (0.54)	5	Univ. of Tokyo (982)	5	Obihiro Univ. of Agri. and Vet. Med. (15.4)	5	TUAT (0.067)	
6	Obihiro Univ. of Agri. and Vet. Med. (0.49)	6	Yamaguchi Univ. (965)	6	Toyohashi Univ. of Tech. (15.1)	6	Kyoto Inst. of Tech. (0.059)	
7	Toyohashi Univ. of Tech. (0.45)	7	Japan Advanced Inst. of Sci. & Tech. (880)	7	Nagoya Inst of Tech. (14.4)	7	Nagaoka Univ. of Tech. (0.049)	
8	Kyoto Inst. of Tech. (0.41)	8	Osaka Univ. (871)	8	Nagaoka Univ. of Tech. (13.8)	8	Otaru Univ. of Commerce (0.045)	
 Ratio of Outside Funds to Revenue = Outside funds divided by Total Revenue. This ratio is considered as an indicator for national university's financial performance and profitability. 								

Campus INCUBATOR *TUATi*

[Open] June 12, 2003

[Location] Koganei Campus [Facility] 46m² x 12 Rooms,

23m² x 3 Rooms Four Conference Booths



TAT

[Duration of Service] 3 Years (+within 2 years extension)

[Target] Incubate start-ups

3 - 5 companies are expected to mature every year

[Merits] Facility on the Campus, Support, Lower Rent

[Cooperation with TUAT-TLO] Matching Fund, Marketing, etc.





* As of November 30, 2007

TAT

Dr. Takashi TONOZUKA

Dr. Hiroshi MATSUDA

Structure and Function of Carbohydrate-metabolizing Enzyme

Leukemia

The Development of Novel Molecular Targeting Therapies against

Information and Communication Technology

Research	Name		
Development of Polymer Optical Waveguide Devices	Dr. Mamoru ISO		
Swaying Tree Generation Tool for Animation	Dr. Katsuhiro KITAJIMA		
Handwriting-based User Interfaces	Dr. Masaki NAKAGAWA		
Artificial-Intelligence Meets Human Interaction	Dr. Yoshiyuki KOTANI		

TAT

Nanotechnology & Nanomaterials

Research	Name		
Novel Nanomaterials Prepared by Confinement of Functional Molecules within Anisotropic Microarrays of Inorganic Crystals	Dr. Teruyuki NAKATO		
Development of Homogeneous Catalytic Reactions Based on Synergy of Two Different Transition Metals	Dr. Sanshiro KOMIYA		
Invitation of Crystal Science and Technology	Dr. Masakuni MATSUOKA		
Researches of Two-dimensional Alignment Clusters on Polycyclic Arenes	Dr. Masafumi HIRANO		

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