

***XV International Symposium on
Morphological Sciences
September 18-21, 2000 in Kyoto, Japan***

Program

GENERAL INFORMATION

DATE AND PLACE:

The symposium will take place on September 18-21, 2000 at Kyoto Research Park, 17 Chudoji Minami-machi, Shimogyo-ku, Kyoto 600-8813, Japan.

(Tel: +81-75-315-8697 Fax: +81-75-314-2968)

*Shuttle bus service from both Kyoto Tokyu Hotel and Kyoto Royal Hotel will be available at scheduled times during the Symposium.

REGISTRATION DESK:

September 18 at 10:00-18:00,

West Science Center Building #4, Kyoto Research Park.

September 19 at 08:30-18:00,

East Science Center Building #1, Kyoto Research Park.

September 20 at 08:30-16:00, ditto

September 21 at 08:30-18:00, ditto

OPENING CEREMONY:

September 18, at 12:30, Buzz Hall of West Science Center Building #4, Kyoto Research Park. The Congress badge (available at the Registration Desk) is required for admittance.

SOCIAL EVENTS:

1) GET-TOGETHER: September 18, at 18:30-19:30, Restaurant “Bread Basket” of East Science Center Building #1 at the Kyoto Research Park.

2) EXCURSION: September 20, at 16:00-19:00. Visit to some historical sites of Kyoto. Congress Bus departure from the Kyoto Research Park at 16:00 and from Tokyu Hotel at 16:15.

3) RECEPTION: September 21, 19:00-, Atrium of the East science Center Building #1 at the Kyoto Research Park.

SCIENTIFIC PROGRAM

18th of September (Monday)

Morning: Registration(10:00~)

Afternoon Session:

Opening Ceremony(12:30~14:00) Buzz Hall

Ceremonial Lecture: Advances of the morphological science in Japan

Prof. Y. Sano, Kyoto, Japan

Opening Lecture (14:00~15:00) Buzz Hall

Mechanisms of organelle transport: genes, structure, dynamics and function of kinesin superfamily motor proteins (KIFS).

Prof. N. Hirokawa, University of Tokyo, Japan

Symposium-1 (15:00~18:00) Science Hall

New microscopy and visualization for living cells.

(Organized by T. Pozzan - Italy and Y. Satoh - Japan)

Symposium-2 (Malpighi Symposium) (15:00~18:00) Buzz Hall

From germ cell to zygote: modification of germ cells and the role of micro-environment.

(Organized by P. Motta – Italy and K. Toshimori –Japan)

Get-together (18:30~) Restaurant “Bread Basket”

19th of September (Tuesday)

Morning Session:

Symposium-3(9:00~11:00) Science Hall

Scanning electron microscopy: An update.

(Organized by M. Mueller – Switzerland and O. Ohtani - Japan)

Symposium-4(9:00~11:00) AV Room

Morphological approaches to T cell differentiation.

(Organized by V. Ewijk – Netherlands and T. Itoh, Japan)

Oral presentation (O19) (9:00~11:00) Room A

Plenary Lecture -1 (11:00~12:00) Science Hall

Control of organogenesis *in vitro* in animal development.

Prof. M. Asashima, University of Tokyo, Japan

Afternoon Session:

Poster Session (P19)(13:30~15:00) Atrium

Symposium-5(15:00~18:00) Science Hall

Molecular basis of morphogenesis.

(Organized by K. Sulik – USA and K. Shiota - Japan)

Symposium-6(15:00~18:00) AV Room

Recent advances in bone and dental biology.

(Organized by W.J. Landis – USA and Y. Takano - Japan)

20th of September (Wednesday)

Morning Session:

Symposium-7(9:00~11:00) Science Hall

Glutamate and receptors in the CNS.

(Organized by P. Somogyi - UK and T. Kaneko – Japan)

Symposium-8(9:00~11:00) AV Room

Recent advances in steroidogenesis and neuroendocrine system.

(Organized by K. Unsicker – Germany and K. Ishimura – Japan)

Plenary Lecture –2(11:00~12:00) Science Hall

Nervous system progenitor cells.

Prof. S. Weiss, University of Calgary, Canada

Afternoon Session

Symposium-9(13:00~15:20) AV Room

Molecular cell biology of the cytoskeleton.

(Organized by R. Liem-USA and Y. Kanai - Japan)

Symposium-10(13:00~15:40) Science Hall

Neural stem cells and early neurogenesis.

(Organized by S. Weiss – Canada and H. Okano – Japan)

21st of September (Thursday)

Morning Session:

Symposium-11(9:00~11:00) AV Room

Strategy of the blood supply to the visceral system in vertebrates.

(Organized by M. v. Ludinghausen – Germany and M. Horiguchi - Japan)

Symposium-12 (9:00~11:00) Science Hall

Cellular background of homeostatic control in the digestive organs.

(Organized by D. Grube – Germany and T. Iwanaga – Japan)

Symposium-13 (11:00~13:20) Room A

Educational reform and curricular changes in the anatomical sciences.

(Organized by R. Yates-USA and K. Abe- Japan)

Afternoon Session:

Poster Session (P21)(13:30~15:00) Atrium

Symposium-14(15:00~18:00) Science Hall

Recent advances in neurobiology of cell death.

(Organized by R. Oppenheim – USA and H. Kiyama – Japan)

Symposium-15(15:00~18:00) AV Room

Cell biology of ion channels and transporters.

(Organized by N. J. Severs -UK and T. Fujimoto - Japan)

Symposium-16(15:00~18:00) Room A

Progress in morphology and evolutionary research on marine mammals.

(Organized by H.A. Oelshläger -Germany and T. Yamada - Japan)

Reception(19:00~) Atrium

PROGRAM OVERVIEW

	MONDAY September 18	TUESDAY September 19	WEDNESDAY September 20	THURSDAY September 21
Morning	Registration	Symposium-3 Symposium-4 Oral presentation (9:00~11:00)	Symposium-7 Symposium-8 (9:00~11:00)	Symposium-11 Symposium-12 (9:00~11:00)
		Plenary lecture-1 (11:00~12:00)	Plenary lecture-2 (11:00~12:00)	Symposium-13 (11:00~13:20)
	Opening Ceremony (12:30~14:00)			
Afternoon	Opening lecture (14:00~15:00)	Poster Session (P19) (13:30~15:00)	Symposium-9 Symposium-10 (13:00~15:00)	Poster Session (P21) (13:30~15:00)
	Symposium-1 Symposium-2 (15:00~18:00)	Symposium-5 Symposium-6 (15:00~18:00)	Excursion (16:00~)	Symposium-14 Symposium-15 Symposium-16 (15:00~18:00)
	Get-together (16:30~)			Reception (19:00~)

Ceremonial Lecture:

Advances of the morphological science in Japan

Prof. Y. Sano, Kyoto, Japan

(Chaired by Prof. T. Fujita)

Date: September 18, afternoon (12:30~14:00)

Room: Buzz Hall

Opening Lecture:

Mechanisms of organelle transport: genes, structure, dynamics and function of kinesin superfamily motor proteins (KIFS).

Prof. N. Hirokawa, University of Tokyo, Japan

(Chaired by Prof. Y. Uchiyama)

Date: September 18, afternoon (14:00~15:00)

Room: Buzz Hall

Plenary Lecture-1:

Control of organogenesis *in vitro* in animal development.

Prof. M. Asashima, University of Tokyo, Japan

(Chaired by Prof. T. Fujita)

Date: September 19, morning (11:00~12:00)

Room: Science Hall

Plenary Lecture -2:

Nervous system progenitor cells.

Prof. S. Weiss, University of Calgary, Canada

(Chaired by Prof. C. Ide)

Date: September 20, morning (11:00~12:00)

Room: Science Hall

Symposia

Symposium-1: New microscopy and visualization of living cells.

(Organized by T. Pozzan - Italy and Y. Satoh - Japan)

Date: September 18, afternoon session(15:00-18:00)

Room: Science Hall

.....
Chairman: T. Pozzan - Italy and Y. Satoh – Japan

15:00 Introduction

15:05 Y. Satoh (Japan): Real time confocal microscopy for dynamic morphology of living tissue specimens.

15:30 S. Lindqvist, P. Sharp, I. Johnson, M. Williams (UK): Human colonic crypt calcium signalling.

15:55 S. K. Kong, P. P. Y. Lui (China): The nuclear tubular structure: A route for Ca²⁺ released into nucleoplasm?

16:20 T. Pozzan (Italy): Heterogeneity of second messenger levels in living cells.

16:00 *Interval*

16:50 S. Waguri (Japan): Mannose 6-phosphate receptor trafficking in living cells.

17:15 T. Ushiki (Japan): AFM imaging of living cells.

17:40 Discussion

Symposium-2 (*Malpighi Symposium*) : From germ cell to zygote: modification of germ cells and the role of microenvironment.

(Organized by P. Motta – Italy and K. Toshimori –Japan)

Date: September 18th (Monday): Afternoon Session (15:00-18:00)

Room: Buzz Hall

.....
Chairman: P. Motta – Italy and K. Toshimori –Japan

- 15:00 Introduction
- 15:05 J. Pereda, M. Soto, T.M.Zorn, P.M. Motta, and J. Tolosa (Chile, Brasil, Italy):
The milieu that surrounds human primordial germ cell during migration: an ultrastructural and immunohistochemical analysis.
- 15:25 H. Sawada (Japan): Isolation and characterization of the extracellular matrix of seminiferous tubules of the rat testis.
- 15:45 T. Koji (Japan): Autonomous and induced germ cell death in fetal, neonatal and adult mouse testes: possible involvement of fas/fas ligand.
- 16:05 M. Maekawa (Japan): Fyn tyrosine kinase in the mouse testis: morphological and biochemical abnormalities in the fyn-deficient mouse.
- 16:25 K. Toshimori (Japan): Alterations of sperm plasma membrane natures after spermiation.
- 16:45 G. Schatten (USA): Dynamics of human fertilization: Implication for 21st century procreation.
- 17:05 J.Y. Jiang, G. Macchiarelli, T. Stallone, S.A. Nottola, M. Umezu, P.M. Motta and E. Sato (Japan, Italy): Ovarian angiogenesis in hypothyroid immature rdw rats.
- 17:25 P.M. Motta, S. Makabe, S.A. Nottla, G. Macchiarelli, G. Familiari and S. Correr (Italy, Japan): The human oocyte from folliculogenesis to early embryogenesis (in vitro and in vivo).
- 17:45 Discussion and conclusion

Symposium-3: Scanning electron microscopy: An update.

(Organized by M. Mueller-Switzerland and O. Ohtani - Japan)

Date: September 19, Morning session (9:00-11:00)

Room: Science Hall

.....
Chairman: M. Mueller-Switzerland and O. Ohtani - Japan

- 9:00 Introduction
- 9:05 T. Inoué (Japan): Morphology of the basal surface of epithelial cells.
- 9:20 O. Ohtani (Japan): Scanning electron microscopy of blood and lymphatic vessels in secondary lymphatic organs.
- 9:35 A. Gebert, S. Faßbender, A. Weißferdt, G. Preiss (Germany): Detection of glycoconjugates by lectin-gold labelling, silver enhancement, and scanning electron microscopy.
- 9:55 A. Ohtsuka (Japan): High-resolution scanning electron microscopic visualization of the glycocalyx in the intestinal epithelium.
- 10:10 M. Mueller, P. Walther (Switzerland, Germany): High resolution cryo SEM.
- 10:30 A. Riva, S. Serreli, F. Loy, F. Loffredo, F. Testa Riva (Italy): Cell-cell junctions from TEM to HRSEM.
- 10:40 Discussion

Symposium-4: Morphological approaches to T cell differentiation.

(Organized by W. van Ewijk-The Netherlands and T. Itoh-Japan)

Date: September 19, Morning session (9:00-11:00)

Room: AV Room

.....
Chairman: W. van Ewijk-The Netherlands and T. Itoh-Japan

9:00 Introduction

9:05 W.T.W. Germeraad, H. Kawamoto, Y.F. Jiang, Y. Katsura, W. van Ewijk (The Netherlands, Japan): Crosstalk in thymic micro-environments.

9:30 A. Farr (USA): Models and mediators of thymic organogenesis.

9:55 T. Itoh, H. Yagi, H. Soga, M. Nakamura (Japan): Differentiation of thymocyte subsets and their morphology.

10:20 H. Ishikawa (Japan): Extrathymic development of intestinal T cell Precursors in gut cryptopatches.

10:45 Discussion

Symposium-5: Molecular Basis of Morphogenesis

(Organized by K. Sulik - USA and K. Shiota - Japan)

Date: September 19, afternoon session (15:00-18:00)

Room: Science Hall

.....
Chairman: K. Sulik - USA and K. Shiota – Japan

15:00 Introduction

15:05 H. Hamada (Japan): Establishing axial asymmetries.

15:30 G.C. Schoenwolf, J.-F. Colas, A. Lawson, H. Anderson (USA):
Cellular and molecular analyses of neurulation.

15:55 R.R. Markwald, T. Nakaoka, S. Conway, C. Mjaatvedt (USA,
Japan): Origin and molecular morphogenesis of the cardiac outflow
tract: Interactive roles of bone morphogenetic proteins 2/4 and the
heart defect gene.

16:20 N. Wada, T. Narita, T. Nohno (Japan): Signaling factor interaction
during limb morphogenesis.

16:45 D. Brynmor Thomas (UK): Unexpected relationships of stem cell
populations.

17:05 K. Sulik, H. Waage, D. Dehart, W. Dunty, S-y. Chen (USA): Gene
environment interactions and dysmorphogenesis.

17:30 Discussion

Symposium-6: Recent advances in bone and dental biology.

(Organized by W.J. Landis-USA and Y. Takano - Japan)

Date: September 19, Afternoon session (15:00-18:15)

Room: AV room

.....
Chairman: W.J. Landis-USA and Y. Takano – Japan

15:00 Introduction

15:05 P. Bianco (Italy): Flexible progenitors and hard tissues.

15:35 M. Takagi (Japan): Expression of noncollagenous proteins in developing bone at the gene and protein level.

16:05 Y. Takano (Japan): Diversity of basic mechanisms of appositional mineralization in bone and dental hard tissues.

16:35 K. Hoshi (Japan): Bone calcification and its regulation.

17:05 W. Beertsen, V. Everts, T. VandenBos (The Netherlands): Mineralization in mice deficient in tissue non-specific alkaline phosphatase.

17:35 W.J. Landis, R. Jacquet, J. Hillyer, J. Zhang, L.M. Siperko (USA): Advances in structural and molecular studies of vertebrate mineralizing tissues.

18:05 Discussion

Symposium-7: Glutamate and receptors in the CNS.

(Organized by P. Somogyi - UK and T. Kaneko-Japan)

Date: September 20, Morning session (9:00-11:00)

Room: Science Hall

.....
Chairman: P. Somogyi - UK and T. Kaneko-Japan

9:00 Introduction

9:05 R. Shigemoto (Japan): Ultrastructural localization of metabotropic glutamate receptors in the rat CNS as revealed by conventional and replica immunogold labeling.

9:30 O.P. Ottersen, M. Sassoè-Pognetto (Norway, Italy): Principles underlying the organisation of ionotropic glutamate receptors in axospinous and dendrodendritic synaptic membranes.

9:55 M. Watanabe (Japan): Glutamate receptors in synaptic wiring of the cerebellar Purkinje cell.

10:20 P. Somogyi, F. Ferraguti, Y. Dalezios, N. Kogo, R. Lujan, M. Pollard, J.D.B. Roberts, R. Shigemoto, P. Szucs (UK, Japan): Insights into hippocampal GABAergic circuits through glutamate receptors.

10:45 Discussion

Symposium-8: Recent advances in steroidogenesis and neuroendocrine system.

(Organized by A. van Lommel-Belgium and K. Ishimura - Japan)

Date: September 20, Morning session (9:00-11:00)

Room: AV Room

.....

Chairman: A. van Lommel-Belgium and K. Ishimura - Japan

- 9:00 M. Kawata (Japan): Steroid hormone receptor dynamics in living cells.
- 9:25 U. Ernsberger (Germany): The induction of the neurotransmitter synthesis and release apparatus during differentiation of the sympathoadrenal system.
- 9:50 A. van Lommel (Belgium): The innervation of pulmonary neuroepithelial bodies: recent findings.
- 10:15 T. Tachibana, T. Nawa (Japan): Merkel cells as a member of the neuroendocrine system.
- 10:35 K. Toyoshima, T. Toyono, Y. Seta, H. Harada (Japan): Development and neurobiology of taste buds in some vertebrates.

Symposium-9: Molecular cell biology of the cytoskeleton.

(Organized by R. Liem-USA and Y. Kanai - Japan)

Date: September 20, Afternoon session (13:00-15:20)

Room: AV Room

.....
Chairman: R. Liem-USA and Y. Kanai – Japan

13:00 Introduction

13:05 H. Ishikawa, T. Hijikata, N. Fujimaki, and T. Murakami (Japan):
Molecular architecture of the cytoskeleton in skeletal muscle cells.

13:35 C. Leung, D. Sun, S. Prater, R. Liem (USA): Cytoskeletal linker
proteins in the nervous system.

14:05 Y. Shimada, T. M. Nwe, F. Hasebe-Kishi (Japan, Myanmar):
Dynamics of actin and γ -actinin in nascent myofibrils of living
muscle cells.

14:35 Y. Kanai and N. Hirokawa (Japan): KIF5C, a novel neuronal kinesin
enriched in motor neurons.

15:05 Discussion

Symposium-10: Neural stem cell and early neurogenesis.

(Organized by S. Weiss - Canada and H. Okano - Japan)

Date: September 20, Afternoon session (13:00-15:40)

Room: Science Hall

.....
Chairman: S. Weiss - Canada and H. Okano - Japan

13:00 Introduction

13:05 S. Weiss, T. Shimazaki, Y. Arsenijevic (Canada): Forebrain neural stem cell neurogenesis pathways.

13:35 M. Takahashi, A. Nishida, Y. Honda, A. Mizoguchi, C. Ide (Japan): Retinal transplantation of neural stem cells.

14:05 H. Okano (Japan): Self-renewal and isolation of neural stem cells.

14:35 P.L. Woodhams (UK): Abnormal hippocampal pathway development in the mutant Shaking Rat Kawasaki.

15:05 K. Nakajima (Japan): Cell and molecular analysis of neuronal alignment in the mammalian brain.

15:35 Discussion

Symposium-11: Strategy of the blood supply to the visceral system in Vertebrates.

(Organized by M. von Lüdinghausen-Germany and M. Horiguchi - Japan)

Date: September 21, Morning session (9:00-11:00)

Room: AV Room

.....
Chairman: M. von Lüdinghausen-Germany and G. Murakami - Japan

9:00 Introduction

9:05 M. von Lüdinghausen, N. Ohmachi (Germany): The strategy of the blood supply to the visceral system in vertebrates with special reference to the blood supply of the mammalian heart.

9:25 G. Murakami, T.J. Sato (Japan): Visceral segment system and strategy of the blood supply and drainage.

9:45 S. Isogai, M. Horiguchi (Japan): Morphogenesis of the vasculature within the pro-, meso- and metanephros.

10:05 T. Tokioka, T. Nakajima, H. Tokioka (Japan): Significance of the microcirculation in the mucous membrane of the digestive organs.

10:25 M. Nakamura (Japan): Which morphologies are specific for the gastric microcirculation?

10:45 Discussion

Symposium-12: Cellular background of homeostatic control in the digestive organs.

(Organized by D. Grube-Germany and T. Iwanaga- Japan

Date: September 21, Morning session (9:00-11:00)

Room: Science Hall

.....
Chairman: D. Grube-Germany and T. Iwanaga- Japan

- 9:00 D. Grube (Germany): Receptory and secretory mechanisms in entero-endocrine cells. A review.
- 9:40 A. Gebert (Germany): Mucosal Immunity and the role of antigen-sampling M cells in the gut.
- 10:00 S. Torihashi (Japan): Interstitial cells of Cajal: their morphology and function in the gastrointestinal tract.
- 10:20 K. Kaneda, K. Nakatani (Japan): Roles of hepatic sinusoidal cells in liver function.
- 10:40 M. Shin, S. Izumi, Y. Hishikawa, T. Koji (Japan): Involvement of cAMP responsive element binding protein (CREB) in liver regeneration.

Symposium-13: Educational Reform and Curricular Changes in the Anatomical Sciences

(Organized by R. Yates-USA and K. Abe–Japan)

September 21st (Thursday): Morning Session (11:00-13:20)

Room: Room A

.....
Chairmen: R. Yates -USA and K. Abe – Japan

11:00 Introduction

11:05 R.D. Yates, S. Vigh (USA): Teaching histology in a crowded medical curriculum.

11:25 B. Kramer (South Africa): Anatomy in South Africa: Moving from the Familiar "Old" to the uncertain "New".

11:45 D. Brynmor Thomas (UK): Problem-based and problem-orientated courses for medical students.

12:05 O.A. Ashiru and M. Holterman (Nigeria, USA): Clinical relevant embryology: New approaches to education.

12:25 K. Abe (Japan): Educational reform and media in the anatomical sciences.

12:45 P.M. Motta (Italy): Anatomy curriculum in Italy.

13:05 Discussion and conclusion

Symposium-14: Recent advances in neurobiology of cell death.

(Organized by R. Oppenheim-USA and H. Kiyama- Japan)

Date: September 21, Afternoon session (15:00-18:00)

Room: Science Hall

.....
Chairmen: R. Oppenheim-USA and H. Kiyama- Japan

15:00 Introduction

15:05 R.W. Oppenheim (USA): Neuromuscular activity and the rescue of motoneurons from naturally occurring cell death by nicotinic-blocking agents.

15:35 H. Yaginuma, N. Shiraiwa, T. Shimada, K. Nishiyama, J. Hong, S. Wang, Y. Uchiyama, R. W. Oppenheim (Japan): A role for caspase-3 like activity in early motoneuron death in the chick embryo cervical spinal cord.

15:55 M. Miura (Japan): Cell-death execution machineries in *Drosophila* nervous system.

16:25 C. Raoul, A. Estevez, G. Ugolini, B. Pettmann, C.E. Henderson (France, USA): Intrinsic motors for programmed cell death of motoneurons: roles for the Fas death receptor.

16:55 K. Namikawa, H. Kiyama (Japan): Adenoviral gene transfer into injured motoneurons reveals that PKB/AKT promotes both neuronal survival and nerve regeneration in vivo.

17:15 L.A. Greene, J.M. Angelastro, C.M. Troy, M.L. Shelanski, D. Liu, A.C. Maroney, Z. Xu (USA): Multiple pathways for regulation of neuronal cell death.

17:45 Discussion

Symposium-15 Cell biology of ion channels and transporters.

(Organized by N. J. Severs -UK and T. Fujimoto - Japan)

Date: September 21, Afternoon Session (15:00-18:00)

Room: AV Room

.....
Chairmen: N. J. Severs -UK and T. Fujimoto - Japan

- 15:00 Introduction
- 15:05 K. Takata, T. Suzuki (Japan): Glucose transporters in the vectorial transport of sugars in epithelial cells.
- 15:30 T. Ploug, H.P.M.M. Lauritzen, T. Lomo and E. Ralson (Denmark, Norway, USA): GLUT4 localization and trafficking in skeletal muscle fibers.
- 15:55 N.J. Severs (UK): Gap junctions and the diversity of connexin expression in cardiovascular cells.
- 16:20 K. Murata, K. Mitsuoka T. Hirai, T. Walz, P. Agre, J. B. Heymann, A. Engel, Y. Fujiyoshi (Japan, USA, Switzerland): Mechanism of strict water selective channels based on structure analysis of aquaporin 1.
- 16:45 K. Fujimoto (Japan): Assembly-disassembly of glutamate receptor and water channel aquaporin in astrocyte cell membrane.
- 17:10 I. Kojima (Japan): Translocation of a calcium-permeable cation channel induced by insulin-like growth factors-I.
- 17:35 K. Mikoshiba (Japan): IP₃ receptor / Ca²⁺ channel: a key molecule in cell signaling.

Symposium-16 Progress in Morphology and Evolutionary Research on Marine Mammals.

(Organized by H.A. Oelshläger -Germany and T. Yamada - Japan)

Date: September 21, Afternoon Session (15:00-18:00)

Room: Room A

.....
Chairmen: H.A. Oelshläger -Germany and T. Yamada - Japan

15:00 Introduction

15:10 R.E. Fordyce (New Zealand): Morphological changes in the origin of toothed and baleen whales.

15:30 M. Oishi (Japan): Comparative skull morphology in pliocene to recent balaenopterids.

15:50 Interval

16:00 T.K. Yamada, H. Ito, H. Takakura, Y. Tajima (Japan) : On the cetacean girdle, how far they are derived?

16:20 S. A. Rommel, D.A. Pabst, W. A. McLellan (USA): Convergent evolution in the vascular systems of marine mammals.

16:40 H.H.A. Oelshläger (Germany): Evolution and the brain in marine mammals.

17:10 *Interval*

17:20 M.L. Dalebout, J.G. Mead, K. van Waerebeek, J.C. Reyes, V.G. Cockcroft, C.S. Baker (New Zealand, USA, Peru, South Africa): Molecular genetic discovery and cryptic morphology of new beaked whales.

17:40 N. Okada (Japan): Phylogeny of cetaceans determined by insertions of SINEs: the monophyly of toothed whales and the paraphyly of river dolphins.

ORAL PRESENTATIONS (O19)

Date: September 19, Morning Session (9:00-11:00)

Room: Room A

- O19-1 "J. M. Potau, M. Canals, J. Costa, D. Ruano"(Spain) QUANTITATIVE ANALYSIS OF CHANGES IN THE TRABECULAR MESHWORK WITH AGE
- O19-2 "V. Niculescu, M. Niculescu, P. Matusz, A. Motoc, M. Avram"(Romania) NEW CONCEPTS REGARDING THE FUNCTIONAL RESISTENCE STRUCTURES OF THE NEUROCRANIUM
- O19-3 Y. C. Wong(China) DEDIFFERENTIATION OF STROMAL SMOOTH MUSCLE IN PROSTATE CARCINOGENESIS
- O19-4 "S. H. Oh, M. K. Choi, S. T. Park, Y. T. Chung"(Korea) EXPRESSION OF 3 β -HYDROXYSTEROID DEHYDROGENASE/ 5 α - β ISOMERASE IN THE TRACHEAL CARTILAGE OF THE RAT
- O19-5 "X. Sun, D. Han, K. Chen, Y. Wang, S. Xue"(China) THE EXPRESSION OF CENTRIN IN RAT SPERMATOGENESIS
- O19-6 "C. Chouckov, D. Andreev, A. Dandov"(Bulgaria) LAMININ IMMUNOCYTOCHEMISTRY IN HERBST MECHANORECEPTORS OF THE DUCK

POSTER PRESENTATIONS (P19)

Date: September 19, 13:30-15:00)

Room: Atrium

- P19-1 T. Kadota(Japan) RAPID REMODELING OF AXODENDRITIC SYNAPSES IN THE CAT SUPERIOR CERVICAL GANGLION EXPRESSING THE LONG-TERM POTENTIATION
- P19-2 "K. Takaya, M. Okabe, L. He, T. Yoshida"(Japan) ION MICROSCOPY FOR THE LOCALIZATION OF ATOMS AND MOLECULES AT FINE STRUCTURES OF CELLS AND TISSUES ON FRESH PREPARATIONS
- P19-3 "N. Kobayashi, Y. Shimazaki, H. Wakisaka, S. Saito, K. Mominoki, S. Matsuda"(Japan) PROTEIN PHOSPHORYLATION BY A-KINASE MODULATES PROCESS FORMATION OF THE GLOMERULAR PODOCYTE IN VITRO
- P19-4 "M. Kuroki, Y. Sawasaki, K. Takeuchi, K. Kuroki, M. Yoshioka"(Japan) LONG TERM SERIAL CULTIVATION OF PORCINE PANCREATIC CELLS WITH SERUM FREE MEDIUM
- P19-5 "E. Suzaki, X. Jiang, K. Kataoka"(Japan) THREE-DIMENSIONAL VISUALIZATION OF MICROTUBULES: IMPROVEMENT OF THE STAINING METHOD AND THEIR RELATION TO THE GOLGI APPARATUS
- P19-6 "O. Amano, M. Shimada, S. Iseki"(Japan) THE ROLE OF SMALL HEAT SHOCK PROTEIN (HSP25) IN THE DEVELOPMENT OF MECKEL 1 S CARTILAGE OF MICE
- P19-7 "H. Ohshima, K. Nakakura-Ohshima, T. Maeda"(Japan) EXPRESSION OF HEAT SHOCK PROTEIN (HSP) 25-IMMUNOREACTIVITY IN THE ENAMEL ORGAN DURING AMELOGENESIS IN THE RAT MOLAR
- P19-8 "E. Andoh, S. Kohno, K. Nozawa-Inoue, T. Maeda"(Japan) EXPRESSION OF HEAT SHOCK PROTEIN 25(HSP25) IMMUNOREACTIVITY IN THE SYNOVIAL MEMBRANE OF MOUSE TEMPOROMANDIBULAR JOINT
- P19-9 "H. Xu, A. Asari, T. Ito, K. Yoshida, A. Tawada, H. Maeda, K. Isahara, M. Kyogashima, Y. Uchiyama"(Japan, UK) EFFECT OF HYALURONAN

OLIGOSACCHARIDES ON THE EXPRESSION OF HEAT SHOCK
PROTEIN 72

- P19-10 "Wang ZH, Yang L, Yam GHF, Cheng SB, Cheung TH, Chew EC"(
China) NUCLEAR MATRIX PROTEINS IN NORMAL AND
CERVICAL CANCER CELLS
- P19-11 H. Yorifuji(Japan) EMERIN--THE PRODUCT OF X-LINKED EMERY-
DREIFUSS MUSCULAR DYSTROPHY GENE-- IS NOT A
UBIQUITOUS PROTEIN
- P19-12 E. Litwiejko-Pietrynczak(Poland) THE INDEX OF
ELECTROPHORETIC MOTILITY OF NUCLEI (EMN) IN THE
COURSE OF HUMAN ONTOGENESIS
- P19-13 "K. Uehara, M. Miyoshi"(Japan) CAVEOLAE IN SINUS
ENDOTHELIAL CELLS OF THE RAT SPLEEN
- P19-14 "T. Suzuki, T. Matsuzaki, H. Koyama, K. Takata"(Japan) APICAL
LOCALIZATION PATHWAY OF THE GLUCOSE TRANSPORTER
SGLT1
- P19-15 "T. Matsuzaki, T. Suzuki, K. Takata"(Japan) WATER CHANNEL
PROTEIN AQUAPORIN 3(AQP3): IMMUNOLocalIZATION IN
EPITHELIAL CELLS AND EFFECT OF HYPERTONICITY
- P19-16 "K. Nakamura, K. Nishii, M. kumai, K. Egashira, Y. Shibata"(Japan)
SPATIAL AND TEMPORAL DISTRIBUTION PATTERN OF
CONNEXIN45 AS REVEALED BY A REPORTER GENE NLS-LACZ
EXPRESSION
- P19-17 "T. Nomingereel, H. Koyama, T. Suzuki, K. Takata"(Japan) "TIGHT
JUNCTION PROTEINS (OCCLUDIN, ZO1) AND GLUCOSE
TRANSPORTER GLUT1 IN DEVELOPING RAT PLACENTAL
BARRIER"
- P19-18 B. Liu(China) EFFECT OF NITRIC OXIDE SYNTHASE INHIBITOR
ON EMBRYONIC DEVELOPMENT AND ITS CONFOCAL LASER
SCANNING MICROSCOPY
- P19-19 "Y. Shinohe, M. Kumagai, S. Joh, T. Saino, Y. Satoh"(Japan) EFFECTS
OF ATP ON INTRACELLULAR CALCIUM DYNAMICS OF
PERINEURIUM IN THE RAT SCIATIC NERVE
- P19-20 "S. Watanabe, S. Miyata, T. Saino, Y. Tazawa, Y. Satoh"(Japan)

COMMUNICATION THROUGH $[Ca^{2+}]_i$ DYNAMICS IN RABBIT CORNEAL EPITHELIUM

- P19-21 "T. Saino, M. Matsuura, Y. Satoh"(Japan) EFFECT OF ATP ON INTRACELLULAR CALCIUM ION DYNAMICS OF SMOOTH MUSCLE CELLS IN TESTICULAR AND CEREBRAL ARTERIOLES OF RATS
- P19-22 "H. Hashizume, T. Ushiki"(Japan) THREE-DIMENSIONAL STRUCTURE OF THE ANGIOGENIC BLOOD VESSELS IN THE IMPLANTED GELATIN SPONGE.
- P19-23 "T. Kaido, T. Inoue"(Japan) "MORPHOLOGICAL ANALYSIS OF SEPTATE MICROVESSELS IN 7,12-DIMETHYLBENZ(A)ANTHRACENE-INDUCED RAT MAMMARY TUMORS"
- P19-25 "S. Miyata, Y. Satoh"(Japan) THE IMAGING OF NITRIC OXIDE ON NEONATAL RAT CARDIOMYOCYTES
- P19-26 "Rina-Susilowati, H. Ishikawa"(Japan) ADRENAL CAPSULE CELLS EXPRESS SMOOTH MUSCLE CONTRACTILE PROPERTIES
- P19-27 "M. Oumi, T. Yamamoto, M. Taniguchi, A. Yasutake"(Japan) ULTRASTRUCTURAL CHANGES AND DEPLETION OF GLUTATHIONE IN RAT SKELETAL MUSCLE INDUCED BY A LOW PROTEIN DIET
- P19-28 "M. Y. Kida, M. M. Ito, S. Tanaka"(Japan) MIGRATION OF SKELETAL MYOGENIC CELLS IN THE CRANIAL THORACIC TRUNK OF THE RAT EMBRYO
- P19-29 "X-Y. feng, T. Osawa, Y. Nozaka"(Japan) THICK BASEMENT MEMBRANE OF HAIR ROOT CELLS OF RAT LIP SKIN
- P19-31 "C. Balducci, C. Lilli, L. Marinucci, E. Becchetti, M. Calvitti, P. Locci"(Italy) EFFECTS OF TOREMIFENE ON COLLAGEN IN DESMOID TUMORS
- P19-32 "T. Yajima, K. Irie, E. Tsuruga, Y. Sakakura, H. Matsushima"(Japan) AGE-RELATED CHANGES OF THE ELASTIC SYSTEM FIBERS IN RAT PERIODONTAL TISSUES
- P19-33 T. Kawamoto(Japan) THIN FRESH FROZEN SECTIONS OF LARGE SAMPLE AND UNDECALCIFIED HARD TISSUE FOR MULTIPLE

USE

- P19-34 "H. Chikasa, T. Sakae, Y. Kozawa"(Japan) DEVELOPMENT AND MINERALIZATION OF THE GASTRIC MILL OF THE CRAYFISH(PROCAMBARUS CLARKII)
- P19-35 "M. Takahashi, J. Zheng, K. Kobayashi"(Japan) ANATOMICAL AND HISTOLOGICAL STUDIES OF HUMAN SUPERNUMERARY PARAMOLARS
- P19-36 "K. Suzuki, Y. Kozawa"(Japan) DENTITION OF DESMOSTYLUS FROM THE POINT OF VIEW OF ENMEL STRUCTURE OF MOLAR
- P19-37 "I. Sasagawa, M. Ishiyama"(Japan) "FINE STRUCTURAL AND CYTOCHEMICAL STUDIES OF THE ENAMEL ORGAN DURING TOOTH DEVELOPMENT IN ACTINOPTERYGIANS, BONY FISHES"
- P19-38 "H. Watanabe, M. Kuwana, J. Sasaki, T. Yanagisawa"(Japan) THE EXPRESSION OF Mn-SOD AND i-NOS mRNA IN AMELOBLASTS
- P19-39 "T. Yanagisawa, H. Watanabe, M. Kuwana, J. Sasaki"(Japan) THE EXPRESSION OF e-NOS AND PH-GPx mRNA IN AMELOBLASTS
- P19-40 "Y. Kozawa, H. Mishima, Y. Iwasa, H. Chisaka, O. Tadokoro"(Japan) MORPHOLOGY OF NERVE ENDING AND IT 1 S 3-D DISTRIBUTION IN PERIODONTAL LIGAMENT AN ALLIGATOR(CAIMAN CROCODILIUS)
- P19-41 "G. Sovak, A. Weiss, L. Ardekian, R. Manor, M. Peled, EE. Machtei, I. Gotman"(Israel) BIOCOMPATIBLITY AND OSSEOINTEGRATION OF A NOVEL TITANIUM NITRIDE COATING ON TITANIUM ALLOY BASED DENTAL IMPLANTS IN DOGS
- P19-43 "M. Kuwana, H. Watanabe, J. Sasaki, T. Yanagisawa"(Japan) "THE EXPRESSION OF Mn-SOD, eNOS AND iNOS mRNA IN MAXILLARY OSTEOBLASTS IN op/op MICE"
- P19-44 T. Akisaka(Japan) ULTRASTRUCTURE OF CLATHRIN SHEETS AND CYTOSKELETAL PODOSOMES ON THE CYTOPLASMIC SIDE OF VENTRAL MEMBRANES OF CULTURED OSTEOCLASTS
- P19-45 "K. Irie, Y. Sakakura, E. Tsuruga, T. Yajima"(Japan) MT1-MMP IN OSTEOCLASTS; SCAVENGER OF THE COLLAGENOUS RESIDUES IN RESORPTIVE LACUNAE.

- P19-46 "M. Bodo, T. Baroni, C. Bellucci, S. Bellocchio, F. Pezzetti, P. Carinci"(Italy) BASIC FGF EFFECTS ON EXTRACELLULAR MATRIX SYNTHESIS IN TWO OSTEOSARCOMA CELL LINES
- P19-47 "S.P. Xue, S.F. Zhang, Z.Y. Zhang, Q. Zhao, J.P. Zhou, J. Ma, D.S. Han"(China) ERYTHROID DIFFERENTIATION DENUCLEATION FACTORS (EDDFs) : A FAMILY OF ERYTHROID REGULATION FOR MAMMALIAN ERYTHROBLAST DIFFERENTIATION-DENUCLEATION AND TUMOR CELL SUPPRESSION
- P19-48 "H. Seguchi, T. Kobayashi"(Japan) IMAGE OF INTRACELLULAR NADPH OXIDASE-CONTAINING GRANULES IN HUMAN NEUTROPHILS
- P19-49 "O. Hoshi, T. Ushiki"(Japan) MORPHOLOGICAL ANALYSIS OF NEUTROPHIL EXTRAVASATION AFTER EXPOSURE TO THE CHEMOTACTIC PEPTIDE
- P19-50 "M. Kuroiwa, K. Aoki, N. Izumiyama"(Japan) ROLE OF MACROPHAGES IN INDUCTION OF AMYLOID FORMATION
- P19-51 "N. Tokuda, A. Sakuragi, S. Nagato, D. Harada, Y. Arudchelvan, N. Mizutani, Y. Wang, T. Sawada, T. Fukumoto"(Japan) ANALYSIS OF RAT THYMUS AFTER 8 GY IRRADIATION
- P19-52 "Y. Arudchelvan, N. Tokuda, M. Tamechika, N. Mizutani, T. Sawada, K. Yamaguchi, T. Fukumoto, F. Shinozaki"(Japan) SEMIQUANTITATIVE MORPHOLOGICAL ANALYSIS OF STROMAL CELLS IN THE IRRADIATED AND RECOVERING RAT THYMUS
- P19-53 "Y. Ohtani, O. Ohtani"(Japan) ORGANIZATION OF BLOOD AND LYMPHATIC MICROVESSELS AND THEIR EXPRESSION OF AQUAPORIN 1 IN RAT MESENTERIC LYMPH NODES
- P19-54 "T. Yoshida, M. Naito, M. Okabe, K. Takaya"(Japan) TWO TYPES OF DENDRITIC CELLS IN THE GERMINAL CENTER OF THE MURINE POPLITEAL LYMPH NODE.
- P19-55 "A. Kikuta, T. Nakashima, H. Hayashi"(Japan) "LOCALIZATION OF LIGANDS FOR L-SELECTIN, A LYMPHOCYTE HOMING RECEPTER, IN MOUSE LYMPHNODES"
- P19-56 "S. Ichikawa, A. Yamashita"(Japan) DIFFERENTIATION AND STRUCTURE OF RECTUM-ASSOCIATED LYMPH NODULES

- P19-57 "Y. Sunami, H. Akagi, K. Nishizaki, A. Ohtuka, T. Taguxhi, T. Murakami"(Japan) INTENSELY NEGATIVE-CHARGED BASAL LAMINA IN HIGH ENDOTHELIAL VENULES OF HUMAN PALATINE TONSILS AND RAT PEYER 1 S PATCH
- P19-59 "S. Tanaka, O. Ohtani, Y. Watanabe"(Japan) LECTIN BINDING PATTERNS IN NASAL-ASSOCIATED LYMPHOID TISSUE (NALT) OF RATS AND THE INFLUENCE OF VARIOUS TYPES OF LECTIN ON THE PARTICLE UPTAKE IN NALT
- P19-60 "T. Ezaki, K. Kuwahara, R. Uwatoku, K. Matsuno"(Japan) CHARACTERIZATION OF ADJUVANT-INDUCED RAT LYMPHANGIOMAS AS A MODEL TO STUDY THE LOCAL MICROCIRCULATION
- P19-61 "M. Miura, R. C. Ji, B. Zhang, S. Kato"(Japan) ENZYME-HISTOCHEMICAL STUDY OF THE LYMPHTIC NETWORKS IN THE MONKEY PELVIC PERITONEUM
- P19-62 "H. Shimoda, Y. Takahashi, S. Kato"(Japan) POSTNATAL DEVELOPMENT OF THE LYMPHATIC NETWORK IN THE MYENTERIC LAYER OF THE RAT SMALL INTESTINE AS REVEALED BY ENZYME-HISTOCHEMISTRY
- P19-63 "A. Fujimura, M. Onodera, Xie Xuejun, Y. Nozaka"(Japan) THE ARCHITECTURE OF LYMPHATIC VESSELS AT THE HEAD AND NECK REGION
- P19-64 "T. Ooga, N. Itoh, Y. Takeuchi, M. Nishioka"(Japan) IMAGE ANALYSIS OF THE EFFECTS OF GONADECTOMY ON HEPATIC AND SPLENIC RETICULOENDOTHELIAL SYSTEM (RES) ACTIVITIES IN MICE.
- P19-65 "M. Itoh, K. Miyamoto, T. Ooga, Y. Takeuchi"(Japan) TISSUE MICROCIRCUMSTANCE FOR TESTICULAR AUTOIMMUNITY IN MICE
- P19-66 "T. Yoshida, K. Sasaki"(Japan) THE NECESSITY OF GROUPING RESERCH FOR MORPHOLOGICAL APPROACHES TO UNDERSTAND BIODEFENSES
- P19-67 E. Litwiejko-Pietrynczak(Poland) ANTHROPOMETRIC MEASUREMENTS OF NEWBORNS AND THEIR MOTHER 1 S EDUCATION

- P19-68 "S. Tachi, T. Nakazawa, E. Aikawa S. Kita"(Japan)
ULTRASTRUCTURAL STUDIES OF EARLY MAMMALIAN
EMBRYOS AFTER HIGH-PRESSURE FREEZING AND FREEZE-
SUBSTITUTION
- P19-69 J. T. Soley(South Africa) ULTRASTRUCTURAL FEATURES OF THE
INTERSTITIAL CELLS OF LEYDIG IN THE OSTRICH
- P19-72 "R. Heyn, E. Vizza, V. Goranova, P. M. Motta"(Italy, Bulgaria) THE
COLLAGEN SKELETON OF HUMAN PLACENTAL VILLI AT
TERM
- P19-73 "S. Makabe, T. Naguro, S. A. Nottola, P. M. Motta"(Japan, Italy)
ULTRASTRUCTURAL MORPHODYNAMIC EVENTS OF HUMAN
IN VITRO FERTILIZATION AND EARLY EMBRYOGENESIS
- P19-74 "N. Manabe, C. Tajima, M. Nakayama, H. Miyamoto"(Japan)
IMMUNOCHEMICAL CHARACTERISTICS OF A NOVEL CELL
DEATH RECEPTOR AND A DECOY RECEPTOR ON GRANULOSA
CELLS OF PORCINE OVARIAN FOLLICLES
- P19-75 "M. Nakayama, K. Yamada-Uchio, N. Manabe, H. Miyamoto"(Japan)
"LOCALIZATION OF TYPE I, III AND IV COLLAGENS AND
THEIR mRNA IN PORCINE AND BOVINE OVARIAN FOLLICLES"
- P19-76 "M. Morita, M. Sugimoto, N. Manabe, H. Miyamoto"(Japan)
MORPHOLOGICAL FEATURES OF AMPULLA OVIDUCTS IN
EARLY-PREGNANT MICE.
- P19-77 "O. Hosoya, K. Tsutsui, A. Tokunaga"(Japan)
IMMUNOHISTOCHEMICAL LOCALIZATION OF AMPHIPHYSIN I
IN THE RAT ADRENAL MEDULLA
- P19-78 "S. Yamashina, K. Hayashi, H. Tamaki, A. Kakita"(Japan)
REGENERATION OF ENDOCRINE CELLS IN THE RAT PANCREAS
AFTER THE PARTIAL PANCREATECTOMY
- P19-79 "A. Winarto, T. Iwanaga"(Japan) MORPHOLOGICAL CHANGE OF
PANCREATIC ISLETS IN KATP CHANNEL -DEFICIENT MICE
- P19-80 "M. Okabe, K. Takaya, R. Yoshii, T. Yoshida"(Japan) DETECTION OF
INTRACELLULAR CATIONIC ELEMENTS BY FLUORESCENT
PROBES FOR TRACE ELEMENTS IN ISOLATED ISLETS
- P19-81 "A. Alm-Eldeen, H. Hashizume, M. Takada, T. Ushiki"(Egypt, Japan)

CYTOARCHITECTURE AND MICROCIRCULATION OF PIGEON
PANCREATIC ISLETS

- P19-82 "C. N. Mowa, T. Iwanaga"(Japan) AN OVERVIEW STUDY ON
CELLULAR DISTRIBUTION OF ESTROGEN RECEPTOR- (ER
) AND (ER) mRNAs IN THE REPRODUCTIVE ORGAN OF
THE RAT
- P19-84 "T. Watanabe, S. Waguri, Y. Uchiyama"(Japan) VISUALIZATION OF
THE SECRETORY GRANULES IN LIVING ENDOCRINE CELLS
USING GREEN FLUORESCENT PROTEIN (GFP)
- P19-86 "N. Tokuda, T. Yoshida, M. Kuroiwa, M. Kobayashi"(Japan) TRIAL FOR
ENJOYING SCIENCE WITH STUDENTS AND OTHERS-LET 1 S
STUDY ANATOMY USING PUPPET SHOW.-
- P19-87 N. S. Cankur(Turkey) THE EFFICIENCY OF TRADITIONAL
LECTURES ON STUDENT 1 S EDUCATION
- P19-88 "E. Llamas, V. W. Escalante"(Mexico) PREDICTING RESULTS OF
MORPHOLOGY TEACHING
- P19-89 "S. N. Biasutto, L. I. Caussa, L. E. Criado del Rio" (Argentina) IS
IMPORTANT CADAVEROUS MATERIAL IN ANATOMY COURSE,
YET?
- P19-90 "T. Satoda, T. Uchida, K. Kumaki"(Japan) A MODEL FOR
EMBRYOLOGICAL INSTRUCTION OF DEVELOPMENT OF THE
DIGESTIVE TRACT
- P19-91 R. Losardo D. Perriad(Argentina) THE ROLE OF ANATOMY IN
MODERN CURRICULA
- P19-92 "M. Ifrim, A. Maghiar, C. F. Ifrim, T. Maghiar, F. Bodog, M. V. Todor"(
Romania) STRUCTURAL COLLAGEN CHANGES UNDER THE
ACTION OF ULTRASOUNDS IN THE COURSE OF AN
EXPERIMENTAL CONNECTIVE TISSUE DISEASE
- P19-93 "M. Ifrim, C. F. Ifrim, A. Maghiar, T. Maghiar"(Romania)
CORRELATION BETWEEN ANATOMIC STRUCTURES AND
ACUPUNCTURE POINTS
- P19-94 "A. Farina, F. Pezzetti, L. Scapoli, M. Martinelli, F. Carinci, M. Tognon, P.
Carinci"(Italy) NONSYNDROMIC CLEFT LIP AND PALATE:
POSSIBLE ROLE OF THE LATERALITY IN DEFINING BOTH

PHENOTYPE AND LINKAGE OCCURRENCE WITH
CHROMOSOME 6

- P19-95 "A. Mizoguchi, K. Kimura, C. Ide"(Japan) NOVEL CELL-CELL
ADHESION SYSTEM COMPOSED OF NECTIN AND 1-AFADIN AT
PUNCTA ADHAERENTIA-LIKE JUNCTIONS IN SYNAPSE
- P19-96 "Y. Kiyohara, A. Mizoguchi, K. Kimura C. Ide"(Japan)
IMMUNOHISTOCHEMICAL ANALYSIS OF DEVELOPING
CEREBELLAR CLIMBING FIBER-PURKINJE CELL SYNAPSE

POSTER PRESENTATIONS (P21)

Date: September 21, 13:30-15:00)

Room: Atrium

- P21-1 "Y. Atoji, Y. Yamamoto, Y. Suzuki"(Japan) NITRIC OXIDE-
SYNTHESIZING NEURONS IN THE PIGEON CLOACA
- P21-2 "M. Yamakado, M. Akita, A. Yokoyama"(Japan) SENSORY-MOTOR
COORDINATION IN THE DEVELOPING VIBRISSA FOLLICLES
REVEALED IN VIVO AND IN WHOLE-EMBRYO CULTURE
- P21-3 "K. Mori, A. Tonosaki"(Japan) STRUCTURE AND FUNCTION OF
RETINOID EPITHELIA IN THE LATERAL EYE AND PINEAL-
COMPLEX OF YOUNG RIVER LAMPREY:
IMMUNOHISTOCHEMISTRY
- P21-4 V. Roudenok(Belarus) SYNAPTOPHYSIN IMMUNOREACTIVITY
DURING MATURATION HUMAN PARAVERTEBRAL GANGLIA
- P21-5 "S. Kametaka, M. Shibata, M. Koike, Y. Uchiyama"(Japan)
"CHARACTERIZATION OF NOVEL TRANSMEMBRANE
ASPARTYL PROTEASES, BACE1 AND BACE2"
- P21-6 "K. Tsutsui, K. Tsutsui, O. Hosoya, A. Tokunaga"(Japan) EXPRESSION
AND DISTRIBUTION OF DNA TOPOISOMERASE II ISOFORMS IN
DIFFERENTIATING NEURONAL CELLS
- P21-7 "Y. Ohsawa, S. Kametaka, Y. Yayoi, G. Q. Zhang, Y. Uchiyama"(Japan)
"PHYSIOLOGICAL ROLES OF PCTF35, A NOVEL TROPHIC
FACTOR DERIVED FROM PC12 CELLS"
- P21-8 "M. Koike, H. Nakanishi, P. Safig, J. Ezaki, Y. Ohsawa, W. Schulz-

- Schaeffer, K. Yamamoto, E. Kominami, C. Peters, K. von Figura, Y. Uchiyama"(Japan, Germany) CATHEPSIN D DEFICIENCY INDUCES LYSOSOMAL STORAGE WITH CEROID LIPOFUSCIN IN MOUSE CNS NEURONS
- P21-9 "S. Kikkawa, T. Yamamoto, T. Terashima"(Japan) "MUTATION ANALYSIS OF THE REELIN GENE IN SHAKING RAT KAWASAKI (SRK), A MUTANT RAT WITH REELER-PHENOTYPE"
- P21-10 "T. Yamamoto, S. Kikkawa, T. Terashima"(Japan) POSTNATAL EXPRESSION PATTERN OF REELIN THE BRAIN OF THE SHAKING RAT KAWASAKI(SRK) AND NORMAL RAT
- P21-11 "T. Setsu, T. Terashima"(Japan) THE FACIAL AND AMBIGUOUS MOTONEURONS SHOW ABNORMAL POSITIONING IN THE REELER-LIKE MUTANT MOUSE YOTARI
- P21-12 "D. L. Lev, E. Weinfeld, E. L. White"(Israel) QUANTITATIVE ANALYSIS OF SYNAPTOGENESIS IN DEVELOPING MOUSE BARRELS
- P21-13 "J. Naito, A. Fujiwara, M. Yamagata"(Japan) RETINOTECTAL PROJECTIONS ARE ORGANIZED ACCORDING TO THE TECTAL LAMINA IN THE CHICK
- P21-14 "R. X. Li, E. Hori, H. Nishijo, Y. Ohtani, O. Ohtani"(Japan) SYNAPSES ON THE PROJECTION NEURONS FROM THE INFRALIMBIC CORTEX TO THE NUCLEUS ACCUMBENS SHELL.
- P21-15 "M. Kumagai, Y. Shinohe, T. Saino, S. Joh, Y. Satoh"(Japan) EFFECT OF ATP ON INTRACELLULAR CALCIUM DYNAMICS OF NEURONS AND SATELLITE CELLS IN RAT SUPERIOR CERVICAL GANGLION
- P21-16 "T. Wenger, G. Moldrich, G. Tramu"(Hungary, France")
"LOCALIZATION OF CB1, CANNABINOID RECEPTOR IN THE LIMBIC AND OLFACTORY SYSTEMS IN RAT"
- P21-17 "K. Kurokawa, H. Yamada, M. Kudo"(Japan) HISTOCHEMICAL STUDIES ON ENDOTHELIN AND ITS RELATED PROTEINS IN THE RAT HYPOTHALAMUS
- P21-18 "C. J. Zhou, L. X. Zhao, J. L. Guan, S. Tanaka, S. Kikuyama, N. Inagaki, S. Shioda"(Japan) IMMUNOHISTOCHEMICAL DISTRIBUTION

AND ULTRA-STRUCTURAL LOCALIZATION OF ABC2 IN THE RAT BRAIN

- P21-19 "H. Funahashi, J.-L. Guan, S. Katoh, T. Yada, S. Shioda"(Japan) MORPHOLOGICAL AND PHYSIOLOGICAL ANALYSIS OF OREXIN NEURONS ON APPATITE CONTROLLING. - THE RELATIONSHIPS WITH ARCUATE NPY - AND POMC- NEURONS-
- P21-20 "S. Shioda, H. Funahashi, Y. Kusao, T. Yada"(Japan) CO-LOCALIZATION OF PACAP AND NORADRENALIN IN AXON TERMINALS: INNERVATION AND FUNCTIONAL SIGNIFICANCE FOR NEUROSECRETION
- P21-21 "T. Watanabe, A. Nakamura, M. Koda, S. Kato, H. Yamashita, T. Fukukda, J. Tanaka, S. Kameo, K. Nakai, H. Satoh, A. Naganuma"(Japan) "METALLOTHIONEIN(MT-1, -2) DEFICIENCY INDUCED DOWN-REGULATION OF TYROSINE HYDROXYLASE IMMUNOREACTIVE NEURON IN MOUSE BRAIN"
- P21-22 "T. Maeshima, R. Ito, M. Usuba, S. Hamada, N. Okado"(Japan) AN IMMUNOHISTOCHEMICAL STUDY OF THE 5-TH 2A RECEPTOR IN THE RAT IMMATURE CEREBELLUM
- P21-23 "Y. Omura, M. Inagaki, R. Yoshimura, A. Hach, E. Furukawa, M. Ueck"(Japan, Germany) IMMUNOCYTOCHEMICAL LOCALIZAITON OF TAURINE IN THE FISH RETINA UNDER THE LIGHT-AND DARK-ADAPTED STATES
- P21-24 "N. Katagiri, Y. Katagiri"(Germany) CONSTITUENT CELLS OF A LENS IN THE ONCHIDIUM DORSAL EYE HAVE UNIQUE FEATURES AS A RHABDOMERIC-TYPE PHOTORECEPTOR
- P21-25 M. Yoshida(Japan) "A TUBULO-RETICULAR COMPLEX IN THE INTER-SEGMENTAL SPACE BETWEEN THE INNER AND OUTER SEGMENTS OF ROD PHOTORECEPTER CELLS, AS REVEALED BY THE FREEZE-CRACKING FOLLOWED WITH AN OSMIUM MACERAION TECHNIQUE"
- P21-26 "N. Otsuka, N. Goto, K. Ikeda"(Japan) APPEARANCE OF FIBROBLAST GROWTH FACTOR(FGF)-9 IMMUNOREACTIVITY IN HYPERTROPHIC ASTROCYTES OF THE GRAY MATTER IN THE HUMAN BRAIN
- P21-27 "S. Homma, R. W. Oppenheim, H. Yaginuma"(Japan, USA)

DIFFERENTIAL EXPRESSION OF GFR β S AMONG SUBSETS OF DEVELOPING SPINAL MOTONEURONS CORRELATES WITH COMBINATORIAL EXPRESSION OF LIM HOMEODOMAIN AND ETS TRANSCRIPTIONAL FACTORS

- P21-28 "K. Sasaki, H. Ino, T. Chiba"(Japan) REQUIREMENT OF EARLY POSTNATAL APOPTOSIS IN THE RETINA AND SUPERIOR COLLICULUS FOR NORMAL DEVELOPMENT OF THE VISUAL SYSTEM IN MICE
- P21-29 W. G. ElBarrany(Egypt) A POSSIBLE FATE OF THE ENDONEURIAL OEDEMA DURING REGENERATION OF PERIPHERAL NERVE AFTER CRUSH INJURY. AN ELECTRON MICROSCOPIC STUDY
- P21-30 "K. Isahara, Y. Ohsawa, K. Kitano, Y. karasawa, Y. Uchiyama"(Japan) DELAYED DEATH OF CA1 PYRAMIDAL NEURONS IN GERBIL HIPPOCAMPUS AFTER BRIEF ISCHEMIA IS REGULATED BY LYSOSOMAL PROTEINASES
- P21-31 "S. Kanamori, M. Shibata, Y. Uchiyama"(Japan) LYSOSOMAL-PROTEINASE-DEPENDENT CELL DEATH IN MAMMALIAN CELLS
- P21-32 "M. Shibata, S. Kanamori, Y. Uchiyama"(Japan) SELECTIVE LOCALIZATION OF BCL-2 AND CED-3-CLEAVED CED-9 TO INNER MITOCHONDRIAL MEMBRANE IN MAMMALIAN CELLS
- P21-33 "J. Nakahara, K. Tan-Takeuchi, C. Seiwa, T. Yagi, S. Aiso, K. Kawamura, H. Asou"(Japan) MBP IS REQUIRED FOR THE REGULATION OF MAG IN OLIGODENDROGLIA
- P21-34 "H. Ohtaki, H. Funahashi, A. Ogawa, N. Goto, T. Oguro, T. Yoshida, R. Horai, M. Asano, Y. Iwakur, S. Shioda"(Japan) INHIBITION OF NEURONAL CELL DEATH IN THE TRANSIENT CEREBRAL ISCHEMIA OF THE INTERLEUKIN-1 (IL-1) DEFICIENT MICE
- P21-35 "A. Hiura, Y. Nakae, H. Nakagawa"(Japan) MOUSE DRG CELL DEATH BY NEONATAL CAPSAICIN TREATMENT IS MAINLY NECROSIS RATHER THAN APOPTOSIS.
- P21-36 "N. Sato, C. Sakuma, R. W. Oppenheim, H. Yaginuma"(Japan) THE USE OF RETROVIRAL GENE DELIVERY FOR STUDYING MOTONEURON SURVIVAL AND DEATH IN THE CHICK EMBRYO

- P21-37 "T. Yamada, T. Ushiki"(Japan) TREE-DIMENSIONAL STRUCTURE OF RAT LUNG DEVELOPMENT
- P21-38 "T. Kondo, T. Inokuchi"(Japan) IMMUNOCYTOCHEMICAL LOCALIZATION OF 2-ADRENERGIC RECEPTOR (2-AR) IN THE GUINEA PIG NASAL MUCOSA
- P21-39 "S. Iseki, J. Kim, O. Amano"(Japan) THE ROLE OF CYCLIC AMP RESPONSE ELEMENT-BINDING PROTEIN IN THE DIFFERENTIATION OF THE DUCT SYSTEM IN THE RAT SUBMANDIBULAR GLAND
- P21-40 "S. Aiyama, R. Ikeda, T. Matsuoka, K. Kikuchi, K. Koike"(Japan) FINE STRUCTURE OF GRANULES IN EARLY POSTNATAL RAT PAROTID GLAND MUCOUS CELLS PROCESSED BY RAPID FREEZING FOLLOWED BY FREEZE-SUBSTITUTION FIXATION
- P21-41 M. Odajima(Japan) "INVOLVEMENT OF ACTIN-LIKE FILAMENTOUS STRUCTURE, INTERMEDIATE FILAMENT AND MICROTUBULE ASSOCIATED WITH ROD-LIKE STRUCTURE IN THE TRANSPORT OF FUZZY COATED VESICLES AND SECRETORY GRANULES IN ACINAR CELLS OF THE RAT SUBMANDIBULAR GLAND BY QUICK-FROZEN FREEZE-SUBSTITUTION FIXATION METHOD"
- P21-42 "T. Matsuoka, K. Kichuchi, K. Koike, S. Sato, S. Aiyama"(Japan) WHAT IS THE FUNCTION OF TUFT CELLS IN THE MAIN EXCRETORY DUCT OF THE RAT SUBMANDIBULAR GLAND?
- P21-43 "R. Ikeda, S. Aiyama"(Japan) MORPHOLOGICAL AND HISTOCHEMICAL PROPERTIES OF MUCOUS CELLS IN THE PAROTID GLAND OF THE INFANT JAPANESE MACAQUE
- P21-44 "M. Utsumi, K. Moriguchi, N. Ohno"(Japan) THE POSTNATAL CHANGE OF THE PEROXIDASE ACTIVITY IN THE HAMSTER SUBMANDIBULAR SALIVARY GLAND
- P21-45 "A. Sato, T. Suganuma, S. Ide, J. Kawano, T. Nagato"(Japan) LECTIN BINDING PATTERN OF THE MAIN EXCRETORY DUCT EPITHELIUM OF THE RAT SUBMANDIBULAR GLAND
- P21-46 "S. Kurabuchi, K. Hosoi, E.W.Gresik"(Japan, USA) "SEXUALLY DIMORPHIC DISTRIBUTION OF A TRUE TISSUE KALLIKREIN,

- mK1, IN THE STRIATED DUCTS OF THE MOUSE SUBLINGUAL GLAND"
- P21-47 "K. Kobayashi, M. Kumakura, J. Shindo"(Japan) COMPARATIVE STEREO STRUCTURE MORPHOLOGY OF THE LINGUAL PAPILLAE AND THEIR CONNECTIVE TISSUE CORES OF THE BACTRIAN CAMEL(TWO-HUMPED CAMEL) AND SOME ARTIODACTYLA
- P21-48 "A. El Sharaby, K. Ueda, S. Wakisaka, K. Kurisu"(Japan) QUANTITATIVE SPATIAL DISTRIBUTION OF THE PALATAL TASTE RECEPTORS DURING THEIR MORPHOGENESIS IN THE NASOINCISOR PAPILLA AND SOFT PALATE OF RAT
- P21-49 "J. Zheng, M. Kumakura, I. Kageyama, K. Kobayashi"(Japan) STEREO STRUCTURE OF THE LINGUAL PAPILLAE AND THEIR CONNECTIVE TISSUE CORES IN REEVES 1 MUNTJAC(DEER)
- P21-50 "T. Asami, I. Kageyama, S. Iwasaki"(Japan) ULTRASTRUCTURAL STUDY OF THE PRECURSOR TO FUNGIFORM PAPILLAE PRIOR TO THE ARRIVAL OF SENSORY NERVES IN THE FETAL RAT
- P21-51 "A. Sawaguchi, S. Ide, Y. Goto, J. Kawano, R. Nagaike, T. Oniuma, T. Suganuma"(Japan) DYNAMICS OF EXCRETORY FLOW OF RAT GASTRIC ZYMOGENIC CONTENTS DEMONSTRATED BY POTASSIUM PERMANGANATE OXIDATION ON LOWICRYL K4M ULTRATHIN SECTIONS PREPARED BY HIGH PRESSURE FREEZING
- P21-52 "K. Takeuchi, Y. Sawasaki, M. Yoshioka"(Japan) IMMUNOHISTOCHEMISTRY AND ULTRASTRUCTURE OF PORCINE GASTRIC CELLS IN LONG TERM SERIAL CULTIVATION WITH SERUM FREE MEDIUM
- P21-53 "H. Suzuki, A. Yanaka, Y. Uchiyama"(Japan) APOPTOSIS OF GASTRIC MUCOSAL CELLS INDUCED BY AMMONIA
- P21-54 "S. Iino, Y. Nojyo"(Japan) STRUCTURE AND INNERVATION OF THE MUSCULATURE AT THE PROXIMAL DUODENUM OF THE GUINEA PIG
- P21-55 "M. Fujimiya, K. Okumiya, W. G. Forssmann"(Japan, Germany) IMMUNOELECTRON MICROSCOPIC STUDY OF GUANLYIN AND UROGUANYLIN POSITIVE CELLS IN HUMAN AND RAT

DUODENUM

- P21-56 H. Takahashi-Iwanaga(Japan) THE DUCT SYSTEM OF THE RAT EXOCRINE PANCREAS COMPRISES TWO FUNCTIONALLY DISTINCT SEGMENTS--AN ULTRASTRUCTURAL AND IMMUNOHISTOCHEMICAL STUDY
- P21-57 "S. Takahashi, T. Ushiki"(Japan) FINE STRUCTURE OF THE MOUSE PORTAL VEIN IN RELATION TO ITS PERISTALTIC MOVEMENT
- P21-58 "R. Yoshii, K. Takaya, M. Okabe, T. Yoshida"(Japan) INTERSTITIAL CELLS IN THE PORTAL CANAL OF THE RAT LIVER
- P21-59 "A. Mahgiar, T. Maghiar, C. F. Ifrim, C. Hozan, A. Barbilian, M. Ifrim"(Romania) CLINICO - EXPERIMENTAL DATA REGARDING THE INVOLVEMENT OF THE ENTEROCYTE IN THE NORMAL AND PATHOLOGICAL METABOLISM OF THE CONNECTIVE TISSUE
- P21-60 "B. T. Choi, J. H. Lee, Y. G. Gil, W. S. Ko, Y. H. Kim, H. S. Kang, H. D. Kim"(Korea) ANTI-INFLAMMATORY EFFECTS OF THE AQUEOUS EXTRACT FROM DICHROA FEBRIFUGA ROOT ON THE LPS-INDUCED SHOCK IN RATS
- P21-61 "S. Ueshima, Y. Uchiyama"(Japan) MORPHOLOGICAL STUDY OF MACROPHAGES AND INTESERSTITIAL CELLS OF CAJAL IN LPS-INDUCED SEPSIS MODEL MOUSE
- P21-62 "K. Moriguchi, M. Utsumi, H. Hanamura, N. Ohno"(Japan) PMN H2O2 PRODUCTION STIMULATED BY OPZ AND PEROXIDASE ACTIVITIES OF DIGESTIVE ORGANS AND THEIR DIFFERENCES IN DIFFERENT ANIMALS
- P21-63 "M. A. Alam Edin, M. E. Abdel-Moniem, A. E. Zayed"(Egpyy) REMARKS ON THE EARLY DEVELOPMENT OF BODY PARTS OF ONE HUMPED CAMEL FETUSES
- P21-64 "B. Torres, D. Ruano-Gil"(Spain) THE NORMAL VOICE AND ITS ANATOMY
- P21-65 S. Iwasaki(Japan) THE APPARENT INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE EVOLUTION OF THE STRUCTURE OF THE TONGUES OF EXTANT VERTEBRATES
- P21-66 "H. Erbagci, H. Yildrum, H. Erken, E. Gumusburun"(Turkey) A STUDY OF ABSENCE OF THE ADHESIO INTER-THALAMICA IN

SCHIZOPHRENIA BY MRI

- P21-67 "D. Sanchez Carpio, C. Sanchez Carpio, O. Espin Luna, E. Criado del Rio"(Argentina) THORACIC CONDUCT ANATOMIC STUDY
- P21-68 "S. Raoul, O. Armstrong, R. Robert, M. C. Lardoux, J. M. Rogez, J. Leborgne"(France) ANATOMICAL STUDY OF SINU-VERTEBRAL NERVE.
- P21-69 "I. Kageyama, H. Ito, I. Mataga, K. Kobayashi"(Japan) COURSE OF HYPOGLOSSAL NERVE.
- P21-70 "Y. Tamatsu, K. Shimada"(Japan) INNERVATIONS OF LINGUAL NERVE AND HYPO-GLOSSAL NERVE IN THE TONGUE
- P21-71 "H. Moriyama, K. Shimada"(Japan) MORPHOMETRIC NERVE FIBER ANALYSIS AND AGING PROCESS OF THE HUMAN INFERIOR ALVEOLAR NERVE
- P21-72 "Z. Morse, K. Sano, T. Kanri"(Japan) POSITION OF THE MANDIBULAR FORAMEN AND INFERIOR ALVEOLAR NERVE BLOCK ANESTHESIA
- P21-73 "M. R. Haffajee, S. Govender"(South Africa) THR PROATLAS: IS THE ALAR LIGAMENT A DERIVATIVE OF THE PROATLAS
- P21-74 "J. M. Rogez, A. Hamel, s. Raoul, R. Robert, O. Armstrong, M. C. Garcon-Lardoux, P. Cronier, J. Leborgne"(France) SUBTALARIS ARTICULAR COMPLEX - ANATOMY AND FONCTION
- P21-75 "M. M. Ito, M. Y. Kida, S. Tanaka"(Japan) MORPHOLOGICAL CHANGES AT THE ENTESIS OF CRUCIATE LIGAMENTS IN THE RAT
- P21-76 "G. DeRenzis, F. Pantanali, V. De Pasquale, D. Martini, R. Strocchi, R. Deli"(Italy) THE ELASTIC SYSTEM IN THE TEMPOROMANDIBULAR JOINT OF THE YOUNG RABBIT:AN ULTRASTRUCTURAL STUDY
- P21-77 "H. Erbagci, H. Yildirim, N. Kizilkan, E. Gumusburun"(Turkey) VARIATIONS OF TRANSVERSE GENICULATE AND MENISCOFEROMAL LIGAMENTS IN MRI
- P21-78 "C. Sanchez Carpio, O. Espin Luna, E. Criado del Rio"(Argentina) MENISCUS OF THE KNEE IN FETUS

- P21-79 "L. Caussa, E.L. Criado del Rio"(Argentina) KNEE JOINT VASCULARIZATION
- P21-80 "A. Sirikici, E. Gumusburun, Y. Bayazit, H. Erbagci, M. Bayram, M. Kanlikama"(Turkey) ANATOMIC VARIATIONS OF THE PARANASAL SINUS AREA IN THE PEDIATRIC PATIENTS WITH CHRONIC SINUSITIS
- P21-81 "L. X. Wan, Z. Z. You, S. X. Dong, S. Yong, N. S. Qing"(China) THE ANATOMY STUDY FOR THE INCREASING ALVEOLAR CREST
- P21-82 "T. Koppe, T. C. Rae, O. Rohrer-Ertl, J. Fanghanel"(Germany, UK) PARANASAL SINUS PNEUMATIZATION IN ATELINES (NEW WORLD MONKEYS)
- P21-83 "A. Sirikici, Y. Bayazit, H. Erbagci, E. Gumusburun, M. Bayram, M. Kanlikama"(Turkey) A PARTICULAR ANOMALY OF THE POSTERIOR ETHMOIDAL AIR CELLS: ETHMOMAXILLARY SINUS
- P21-85 P. Matusz(Romania) SPECIAL FEATURES CONCERNING THE INTRAPARENCHIMATOUS DISTRIBUTION OF THE PORTAL HEPATIC VEIN
- P21-86 "A. M. Pusztai, P. Matusz, D. Zahoi, M. Farca Ureche, D. Sztika"(Romania) HEPATICAL TRANSFISSURAL INTERRELATIONS
- P21-87 "K. Kumaki, H. Honda, Y. Ooshima, Y. Itakura"(Japan) A SIMPLE DEMONSTRATION OF THE PERITONEUM OF THE OMENTAL BURSA AND LIVER
- P21-88 "D. Zahoi, V. Niculescu, P. Matusz, A. M. Pusztai"(Romania) FROM THEORY TO PRACTICE CONCERNING THE RENAL SEGMENTATION
- P21-89 "F. Tamgac, N. S. Cankur, A. T. Akbunar, E. Alper"(Turkey) LONG/SHORT AXES RATIO OF KIDNEY IN CHILDHOOD MEASURED BY TC-99M-DMSA SCAN
- P21-90 "C. Deschamps, R. Robert, O. Armstrong, J. M. Rodgez, M. C. Lardoux, J. Leborgne"(France) ANATOMICAL REFERENCES TO MAKE INFILTRATION IN PUDENDAL NEVRAGIA
- P21-91 "M. E. Abdel-Moniem, M. A. Alam Edin, Yousira Abd El-Rahman"(Egypt) CHANGES IN THE TOPOGRAPHY OF LIVER OF ONE

HUMPED CAMEL DURING THE PRENATAL LIFE

- P21-92 "M. Sugimoto, N. Manabe, M. Morita, H. Miyamoto"(Japan) NMR MICROSCOPIC ASSESSMENT OF MALFORMATIONS IN MURINE EMBRYOS INDUCED BY MATERNAL ADMINISTRATION OF RETINOIC ACID
- P21-93 "D. Lazarova, A. Strateska, L. Lazarov, N. Nakeva, N. Maveeva, S. Jovevskal, B. Trpkovska, N. Gjorgov"(Macedonia) NORMAL ANATOMY OF THE HIS BUNDLE AND BUNDLE BRANCHES
- P21-94 "A. Sercelik, A. Mavi, E. Gumusburun"(Turkey) A STUDY OF THE CORONARY ARTERIES AND THE SINUATRIAL NODAL ARTERY WITH ANGIOGRAPHY
- P21-95 "N. Ohmachi, M. v. Luedinghausen, A. Schnapper, H. Waibl"(Germany) "THE ORIGIN AND COURSE OF THE ARTERY TO THE SINOATRIAL NODE IN THE DOG, COMPARED TO THOSE IN THE HUMAN HEART"
- P21-96 "M.R. Haffajee, M.A.A. Ebrahim, A. Lambiris"(South Africa) CASE REPORT: BILATERAL STERNALIS MUSCLE WITH BILATERAL ANOMALOUS
- P21-97 N. S. Cankur(Turkey) MEGASIGMOID:ACASE STUDY
- P21-98 "C. Yang, Y. Gao, Z. Chen"(China) APPLIED ANATOMY OF ESOPHAGUS IN NEWBORN
- P21-99 "X. Luo, Y. Gao, H. Zhao, Z. Wang"(China) APPLIED ANATOMICAL STUDY OF THE DIAMETERS OF BULBUS OCULUS IN NEWBORN
- P21-100 "Z. Li, Y. Gao, H. Liu, Y. Liu"(China) ANATOMICAL OBSERVATION OF THE THYMUS IN NEWBORN
- P21-101 "Y. Gao, Z. Chen, Z. Wang"(China) APPLIED ANATOMICAL STUDY ON NEWBORN TRACHEA CANNULA AND BRONCHOSCOPY
- P21-102 "H. Zhao, Y. Gao, Z. Chen"(China) ANATOMY AND CLINICAL RESEARCH OF PERIMETER OF EYEBALL AND OCULAR MUSCLES IN NEWBORN
- P21-103 "B. Ma, Y. Gao, S. Gao, Z. Wang"(China) ANATOMY AND CLINICAL PRACTICE OF PULMONIC HILUS AND FISSURA

POSTER PRESENTATIONS

* Posters must be mounted and disassembled in the assigned time.

P19: Mounting time: September 18, 15:00-18:00.

Disassembling time: at the end of the session of P19.

P21: Mounting time: September 20, 13:00-15:00.

Disassembling time: at the end of the session of P21.

(POSTER INSTRUCTIONS)

*Poster size is **150** (height) x **120** (width) cm.

*Prepare a banner for the top of the poster indicating the abstract title, author(s) and affiliation(s).

*Illustrations: Figures should be designed to be viewed from a distance and should use clear, visible graphics and large type.

*Text: Each figure or table should have a heading of one or two lines in very large type stating the appropriate message.

*Minimize narrative.

*Use large type in short, separated paragraphs with unjustified (ragged right) margins.

*An introduction should be placed at the upper left and a conclusion at the lower right, both in large type. It is rarely necessary to post a copy of the abstract.

*Technical assistance will be available in the poster room during mounting time.

SYMPOSIA AND ORAL PRESENTATIONS

*The official language is English. Simultaneous translation will not be available.

*Speakers are requested to present their slides to the Slide Center (located next to the Presentation Rooms) at least 30 min before the beginning of the Session.

*Single slide (5 x 5) projection, overhead projection and LCD data projection will be available in the presentation rooms upon request. Please ask to the Slide Center Staff about the availability of Multimedia devices at least 30 min before the beginning of the session.