

**BIOGRAPHY, BIBLIOGRAPHY AND PROFESSIONAL SUMMARY
OF
IVAN DAMJANOV**

Professor, Department of Pathology
The University of Kansas School of Medicine
Kansas City, KS 66160-7410

EDUCATION:

| | | |
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| 1964 | M.D. | University of Zagreb, Croatia (Yugoslavia) |
| 1966 | M.Sc. | University of Zagreb, Croatia (Yugoslavia) |
| 1971 | Ph.D. | University of Zagreb, Croatia (Yugoslavia) |

EXPERIENCE:

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|---------|---|
| 1964-65 | Intern, General Hospital Dr. M. Stojanovic,, Zagreb, Croatia (Yugoslavia) |
| 1965-66 | Medical Corps, Yugoslav National Army |
| 1966-67 | Resident in Pathology, Department of Pathology, University of Zagreb, Croatia (Yugoslavia) |
| 1967-68 | Intern in Pathology (Straight), Cleveland Metropolitan General Hospital, Cleveland, OH |
| 1968-69 | Resident In Pathology, The Mt. Sinai Hospital, New York, NY |
| 1969-71 | Assistant in Pathology, Department of Pathology, University of Zagreb, Croatia (Yugoslavia) |
| 1971-72 | Postdoctoral Fellow, Fels Research Institute, Temple University, Philadelphia, PA |
| 1972-73 | Assistant Professor, Department of Pathology, University of Zagreb, Croatia (Yugoslavia) |
| 1973-76 | Assistant Professor, University of Connecticut, Farmington, CT |
| 1976-77 | Associate Professor, University of Connecticut, Farmington, CT |
| 1977-80 | Associate Professor, Hahnemann Medical College and Hospital, Philadelphia, PA |
| 1980-86 | Professor, Hahnemann University School of Medicine, Philadelphia, PA |
| 1986-94 | Professor, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA |
| 1994-97 | Professor and Chairman, Department of Pathology, The University of Kansas School of Medicine, Kansas City, KS |
| 1997- | Professor, Department of Pathology, The University of Kansas School of Medicine, Kansas City, KS |

PROFESSIONAL SOCIETIES:

American Association of Investigative Pathologists
International Academy of Pathology
European Society of Pathology
Group on Research in Pathology Education

CERTIFICATIONS

1965 E.C.F.M.G. Examination
1967 License to practice medicine in Yugoslavia
1970 Yugoslav Board of Anatomical Pathology
1974 Federal Licensing Examination, Vermont
1975 American Board of Pathology
1977 Medical License, Commonwealth of Pennsylvania
1994 Medical License, State of Kansas

HONORS AND DISTINCTIONS:

1988 Christian R. and Mary F. Lindback Award for Distinguished Teaching, Jefferson Medical College, Philadelphia, PA
1993 Elected as Corresponding Member, Croatian Academy of Arts and Sciences, Zagreb, Croatia
1996 Visiting Professor Award, The University of Zagreb School of Medicine, Zagreb, Croatia
1998 Finalist, The Rainbow Award for Teaching the Art of Medicine by Example, The University of Kansas School of Medicine, Kansas City, KS
2000 Helmuth Spitz Award for Teaching, awarded by Residents in Pathology, The University of Kansas School of Medicine, Kansas City, KS
2001 Visiting Professor Award, The University of Split School of Medicine, Split, Croatia
2005 Helmuth Spitz Award for Teaching, awarded by Residents in Pathology, The University of Kansas School of Medicine, Kansas City, KS
2006 Visiting Professor Award, Tienjin University, Tienjin, China
2007 Thomas Kent Award for Teaching, awarded by the Group on Research of Pathology Education (GRIPE), Tampa, FL
2007 Visiting Professor Award, University of Novi Sad School of Medicine, Novi Sad, Serbia

SPECIALIZATION

Pathology

RESEARCH INTEREST:

Developmental aspects of neoplasia
Developmental biology and teratology
Tumor markers

TEACHING RESPONSIBILITIES:

- 1966-73 Preceptor and Lecturer, Anatomic Pathology, University of Zagreb, Yugoslavia
1972-73 Assistant Professor, University of Zagreb, Yugoslavia
1973-77 Assistant and Associate Professor of Pathology, University of Connecticut, Farmington, CT
1977-8 Lecturer and Laboratory Instructor, Core I Anatomic Pathology, Hahnemann Medical College, Philadelphia, PA
1977-8 Director, Graduate School Program in Pathology, Hahnemann Graduate School, Philadelphia, PA
1977-78 Co-organizer, Core I Anatomic Pathology, Hahnemann Medical College, Philadelphia, PA
1978-79 Director, Core I Anatomic Pathology, Hahnemann Medical College, Philadelphia, PA
1979-2004 Director, Summer Remedial Course in Pathology sponsored over that period consecutively by Hahnemann University School of Medicine, Philadelphia, Jefferson Medical College, Philadelphia, PA, and University of Missouri, Kansas City, MO
1986-94 Director, Course in General and Systemic Pathology, Jefferson Medical College, Philadelphia, PA
1994- Lecturer and Examiner, Course of General and Systemic Pathology, The University of Kansas School of Medicine, Kansas City, KS
1994- Director of the Honors Program in Pathology, The University of Kansas School of Medicine, Kansas City, KS

EXTRAMURAL ASSIGNMENTS - POSITIONS HELD:

- 1985-87 President, Philadelphia Society of Pathologists
1988-91 Member, Abstract Selection Committee, International Academy of Pathology
1991 Co-director, Long Course, "Pathology of Reproductive Failure", US-Canadian Academy of Pathology
1992 Co-organizer of NATO Meeting on Teratocarcinomas and Germ Cell Tumors, Oxford, United Kingdom
1992-95 Member, Educational Committee, US-Canadian Academy of Pathology
1995-98 Member, Publication Committee, US-Canadian Academy of Pathology
1995-98 Co-director, Short Course, "Pathobiology", US-Canadian Academy of Pathology
1996-99 Member, Council, US-Canadian Academy of Pathology
1998-2002 Member, International Committee, American Association of Clinical Pathologists

- 1998- Member of the Advisory Board, Institute of Pathology, Immunology and Molecular Biology, Porto, Portugal
- 1998- Chair of the Pathology and Surgical Pathology Review Group, Doody Electronic Medical Reviews, Chicago, IL
- 2003- Member in charge of Pathology, International Human Embryonic Stem Cell Initiative

SERVICE RESPONSIBILITIES:

- 1970-73 Assistant Attending Pathologist, University of Zagreb, Zagreb, Yugoslavia
- 1973-77 Attending Pathologist, University of Connecticut Hospital, Farmington, CT
- 1977-86 Attending Pathologist, Hahnemann Medical College and Hospital, Philadelphia, PA
- 1981-83 Director of Laboratories, Broad Street Hospital, Philadelphia, PA
- 1986-94 Attending Pathologist, Jefferson Medical College, Philadelphia, PA
- 1994- Attending Pathologist, The University of Kansas Medical Center, Kansas City, KS
 Director of Electron Microscopy Service
 Director of Autopsy Service
 Attending Surgical Pathologist

INTRAMURAL COMMITTEES:

- 1977-82 Graduate School Council, Hahnemann University, Philadelphia, PA
- 1977-82 Graduate School Admissions Committee, Hahnemann University, Philadelphia, PA
- 1978-80 Core I and III Teaching Committee, Hahnemann University, Philadelphia, PA
- 1983-85 Medical School Admissions Committee, Hahnemann University, Philadelphia, PA
- 1986-93 Curriculum Committee Member, Jefferson Medical College, Philadelphia, PA
- 1995-98 Member, Board of Directors, Kansas University Physicians, Inc., Kansas City, KS

SUPERVISOR, GRADUATE STUDENTS:

- 1980 M. Giknis, Hahnemann Graduate School, Philadelphia, PA.
 M.Sc. Thesis: "The Embryonic Toxic and Teratogenic Effect of Alcohol in Four Mouse Strains"

- N. Fox, Hahnemann Graduate School, Philadelphia, PA. M.Sc.
 Thesis: "A Study of the Expression of the Stage Specific Embryonic Antigen-1 (SSEA-1) in the Postimplantation Mouse Embryo and Adult Animal"

- 1981 Y.-J. Wan, Hahnemann Graduate School, Philadelphia, PA.
 M.Sc. Thesis: "Development of Early Somitic Mouse Embryos in Vitro"

- T.-C. Wu, Hahnemann Graduate School, Philadelphia, PA.
 Ph.D. Thesis: "Morphogenesis of Periimplantation Embryos"

- 1982 N. Fox, Hahnemann Graduate School, Philadelphia, PA. Ph.D.
Thesis: "Anatomic Distribution of the Stage Specific Antigen, SSEA-1, in Man and Other Vertebrates: Potential of SSEA-1 as a Biological Cell Marker"
- M. Giknis, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: "Genetic Aspects of Alcoholism and the Fetal Alcohol Syndrome"
- 1982 J. Paiva, Hahnemann Graduate School, Philadelphia, PA.
M.Sc. Thesis: "Immunohistochemical Localization of Placental Alkaline Phosphatase on Normal Adult and Fetal Human Tissues and Germ Cell Tumors"
- L. Currao, Hahnemann Graduate School, Philadelphia, PA.
M.Sc. Thesis: "Immunodeficiency Induced in Mice Exposed to 2-Deoxycoformycin in Utero"
- 1983 S.J. Moroney, Hahnemann Graduate School, Philadelphia, PA.
M.Sc. Thesis: "Localization of Embryonal Carcinoma Cells in Serially Incubated Embryo-derived Teratomas Using Histologic and Histochemical Techniques"
- L.R. DeSouza, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: "Biology of Teratocarcinoma Derived Cell Lines"
- Y.-J. Wan, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: "Morphologic and Histochemical Studies of Embryogenesis in Mouse"
- 1984 L. Currao, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: "Functional and Anatomical Aspects of the Immune Response to Teratocarcinoma Cells"
- 1985 M.C. Lee, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: "Distribution of Cellular Glycoconjugates of the Human and Mouse Reproductive System: A Histochemical Study"
- R.K. Clark, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: "Keratin Polypeptides of Normal Tissues and Tumors of the Male Genital Tract"
- 1986 D. Tichy, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: "Distinct antigenic characteristics of murine parietal yolk sac laminin"
F.J. Leu, Hahnemann Graduate School, Philadelphia, PA.
Ph.D. Thesis: Heterogeneity of basement membranes: Normal and pathological"
- 1987 L.A. Lagunowich, Thomas Jefferson University, Philadelphia, PA.
Ph.D. Thesis: "A primitive endoderm associated protein as a marker in differentiation and development."

- 1988 Y. Yen, Thomas Jefferson University, Philadelphia, PA
Ph.D. Thesis: "Oligosaccharides of normal and neoplastic epithelial cells of the human female reproductive system."
- 1989 S. Jin, Thomas Jefferson University, Philadelphia, PA
Ph.D. Thesis: "Trophectoderm associated proteins in implantation and embryogenesis."

SUPERVISOR, POSTDOCTORAL FELLOWS:

| | | | |
|---------|---------------------------|---------|----------------------|
| 1976-77 | J. Caldwell, PhD | 1989-90 | Rong Fu Wang, PhD |
| 1980-81 | J. W. Oosterhuis, MD, PhD | 1990-91 | Z. Gatalica, MD, PhD |
| 1983-85 | T. Tsujimura, MD | 1990-91 | H. Vrcic, MD |
| 1984-86 | M. Miettinen, MD | 1990-93 | B. Horvat, MD |
| 1985-86 | K. Suzuki, MD | | |
| 1985-88 | Y. Tani, PhD | | |
| 1986-87 | J. ten Kate, PhD | | |
| 1986-87 | P. Draber, PhD | | |
| 1987-88 | S. Teshima | | |

EDITORIAL FUNCTIONS:

| | |
|------------|---|
| 1982-1994 | Laboratory Investigation, Associate Editor |
| 1994- | Member-Editorial Board |
| 1985-1996 | Ultrastructural Pathology, Member-Editorial Board |
| 1985-1996 | Differentiation, Regional Editor for North America |
| 1986-2002 | Virchows Archiv , Member-Editorial Board |
| 1988-2008 | In Vivo, Member-Editorial Board |
| 1989-2005 | Modern Pathology, Book Review Editor |
| 2005- | Member -Editorial Board |
| 1990-1995 | Hospital Physician, Member-Editorial Board |
| 1991- 2008 | Human Pathology, Member-Editorial Board |
| 1991-1999 | Journal of Urologic Pathology, Associate Editor |
| 2000-2002 | Journal of Urologic PaTHOLOGY, Editor in Chief |
| 1995-2006 | Croatian Medical Journal, Member Advisory Board |
| 1998-2002 | Pathology Research Practice, Member-Editorial Board |
| 1998- | Doody Health Science Book Review Journal, Editorial Review Group Chairperson for Pathology |
| 2005- | International Journal of Developmental Biology, Member- Editorial Board |
| 2005 - | Annals of Clinical & Laboratory Science, Member -Editorial Board |

Served as Ad hoc reviewer for the following Journals:

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| Am. J. Anat. | Cancer Res. | J. Cell Physiol. |
| Am. J. Genet. | Cell Differentiation | J. Histochem. Cytochem. |
| Am. J. Path. | Dev. Biol. | J. Nat. Cancer Inst. |
| Am J. Surg. Path | Exp. Cell Res | Science |
| Ann. Clin. Sci. | Int. J. Cancer | Teratology |
| Arch. Path. Lab. Med. | Int. J. Dev. Biol. | |
| Biol. Reprod. | In vitro | |
| Cancer | J. Cell Biol. | |

CONSULTANT APPOINTMENTS:

- 1975-77 Consultant Pathologist, Veterans Administration Hospital, Newington, CT
1977-82 Consultant for the Cancer Information Dissemination and Analysis Center for Virology, Immunology and Cancer Related Biology (CIDAC-VIB), Franklin Institute, Philadelphia, PA
1978-94 Ad hoc Reviewer and Member of Site Visiting Teams and Study Sections, NIH, Bethesda, MD
1984-87 Member, NIH Study Section: "Cancer Research Manpower Review Committee"
1989-92 Member, Veterans Administration, Basic Science Merit Award Board
1995-2004 Consultant Pathologist, Veterans Administration Medical Center, Kansas City, MO

RESEARCH PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Slijepcevic, S., Sipus, N., Pajtl, M., Damjanov, I.: Changes in the microstructure of myocardium in acidosis and alkalosis. *Anaesthesist* 16:345-348, 1967 (German).
2. Rode, B., Damjanov, I., Skreb, N.: Distribution of acid and alkaline phosphatase activity in early stages of rat embryos. *Bull. Scient. Acad. Yougoslave* 13:304, 1968.
3. Kennedy, J.H., Damjanov, I.: Experimental hypothermic closed chest cardiopulmonary bypass. *Cryobiology* 5:109-115, 1968.
4. Solter, D., Skreb, N., Damjanov, I.: Extrauterine growth of mouse egg-cylinders results in malignant teratoma. *Nature (Lond.)* 227:503-504, 1970.
5. Solter, D., Damjanov, I., Skreb, N.: Ultrastructure of mouse egg-cylinder. *Z. Anat. Entwickl. Gesch.* 132:291-298, 1970.
6. Solter, D., Skreb, N., Damjanov, I.: Cell cycle analysis in the mouse egg-cylinder. *Exp. Cell. Res.* 64:331-334, 1971.
7. Damjanov, I., Solter, D., Belicza, M., Skreb, N.: Teratomas obtained through extrauterine growth of seven-day mouse embryos. *J. Natl. Cancer Inst.* 46:471-480, 1971.

8. Damjanov, I., Solter, D., Skreb, N.: Teratocarcinogenesis as related to the age of embryos grafted under the kidney capsule. *Wilhelm Roux' Arch.* 167:288-290, 1971.
9. Damjanov, I., Solter, D., Skreb, N.: Enzyme histochemistry of experimental embryo-derived teratocarcinomas. *Z. Krebsforsch.* 76:249-256, 1971.
10. Damjanov, I., Solter, D.: Ultrastructure of acute tetracycline induced liver change. *Experientia* 27:1204-1205, 1971.
11. Solter, D., Damjanov, I., Skreb, N.: Demonstrability of some oxidative enzymes in early rodent embryos with and without fixation. *Dev. Biol.* 29:486-490, 1972.
12. Solter, D., Damjanov, I., Skreb, N.: Distribution of hydrolytic enzymes in early rat and mouse embryos - A reappraisal. *Z. Anat. Entwickl. Gesch.* 139:119-126, 1973.
13. Damjanov, I., Solter, D.: Yolk sac carcinoma grown from mouse egg-cylinder. *Arch. Pathol.* 95:182-184, 1973.
14. Damjanov, I., Solter, D., Serman, D.: Teratocarcinoma with the capacity for differentiation restricted to neuroectodermal tissue. *Virchows Arch. B. Zellpath.* 13:179-196, 1973.
15. Solter, D., Damjanov, I.: Explantation of extraembryonic parts of 7-day old mouse egg-cylinders. *Experientia* 15:701-702, 1973.
16. Damjanov, I., Cox, R., Sarma, D.S.R., Farber, E.: Patterns of damage and repair of liver DNA induced by carcinogenic methylating agents in vitro. *Cancer Res.* 33:2122-2128, 1973.
17. Cox, R., Damjanov, I., Abanobi, S.E., Sarma, D.S.R.: A method for measuring DNA damage and repair in the liver in vitro. *Cancer Res.* 33:2114-2121, 1973.
18. Solter, D., Damjanov, I., Skreb, N.: Urethan acts as a teratogen and causes ultrastructural changes in early postimplantation mouse embryos. *Period. Biol.* 75:257-265, 1973.
19. Dominis, M., Solter, D., Damjanov, I.: Aspiration cytological and cytochemical study of changes induced in rat liver cells by carbon tetrachloride (CCl₄). *Beitr. Pathol.* 150:132-147, 1973.
20. Avdalovic, N., Kaic, Z., Damjanov, I., Solter, D.: (Na⁺-K⁺) dependent ATPase in mouse submaxillary gland. *Pflugers Arch.* 345:295-308, 1973.
21. Damjanov, I., Solter, D.: Host related factors determine the outgrowth of teratocarcinomas from mouse egg-cylinders. *Z. Krebsforsch.* 81:63-69, 1974.

22. Damjanov, I., Cytology of retransplantable neurogenic teratocarcinoma. *Experientia* 30:652-653, 1974.
24. Bulat, M., Lackovic, Z., Jakupcevic, M., Damjanov, I.: 5-Hydroxyindoleacetic acid in lumbar fluid: A specific indicator of spinal cord injury. *Science* 185:527-528, 1974.
25. Dominis, M., Damjanov, I., Solter, D.: Cytology of experimental teratomas and teratocarcinomas. *Experientia* 31:107-108, 1975.
26. Damjanov, I., Katic V., Stevens, L.C.: Ultrastructure of ovarian teratomas in LT mice. *Z. Krebsforsch.* 83:261-267, 1976.
27. Damjanov, I., Solter, D.: Animal model of human disease: Teratoma and teratocarcinoma. *Am. J. Pathol.* 83:241-249, 1976.
28. Damjanov, I., Sell, S.: Yolk sac carcinoma grown from rat egg-cylinders. *J. Natl. Cancer Inst.* 58:1523-1525, 1977.
29. Damjanov, I., Skreb, N., Sell, S.: Origin of embryo-derived yolk sac carcinoma. *Int. J. Cancer* 19:526-530, 1977.
30. Damjanov, I., Cutler, L.S., Solter, D.: Ultrastructural localization of membrane phosphatases in teratocarcinoma and early embryos. *Am. J. Pathol.* 87:297-310, 1977.
31. Zurier, R.B., Damjanov, I., Rothfield, N.F.: Prostaglandin E1 treatment of NZB/NZW F1 hybrid mice: II. Prevention of glomerulonephritis. *Arth. Rheumat.* 20:1449-1456, 1977.
32. Martin, G.R., Wiley, L.M., Damjanov, I.: The development of cystic embryoid bodies in vitro from clonal teratocarcinoma stem cells. *Dev. Biol.* 61:230-244, 1977.
33. Dominis, M., Damjanov, I.: Cystic cholangiofibrosis of the liver. *Arch. Geschwforsch.* 47:661-669, 1977.
34. Damjanov, I., Sunderman, F.W., Jr., Mitchell, J.M., Allpass, P.R.: Induction of testicular sarcomas in Fischer rats by intratesticular injection of nickel subsulfide. *Cancer Res.* 38:268-276, 1978.
35. Sunderman, F.W., Jr., Shen, S.K., Mitchell, J.M., Allpass, P.R., Damjanov, I.: Fetal toxicity of nickel in rats. *Toxicol. Appl. Pharmacol.* 43:381-390, 1978.
36. Artzt, K., Damjanov, I.: Spontaneous extragonadal teratocarcinoma in a mouse. *Lab. Anim. Sci.* 28:584-586, 1978.
37. Damjanov, I.: Development of teratomas from embryos transplanted into outbred and inbred adult hamsters. *J. Natl. Cancer Inst.* 61:911-915, 1978.

38. Zurier, R.B., Damjanov, I., Miller, P.L., Biewer, B.F.: Prostaglandin E1 treatment prevents progression of nephritis in murine lupus erythematosus. *J. Clin. Lab. Immunol.* 1:95-98, 1978.
39. Solter, D., Damjanov, I.: Teratocarcinomas rarely develop from embryos transplanted into athymic mice. *Nature (Lond.)* 278:554-555, 1979.
40. Lazar, R., Conran, P.C., Damjanov, I.: Embryotoxicity and teratogenicity of cis-diamminedichloroplatinum. *Experientia* 35:647, 1979.
41. Sunderman, F.W., Jr., Maenza, R.M., Hopfer, S.M., Mitchell, J.M., Alpass, P.R., Damjanov, I.: Induction of renal cancers in rats by intrarenal injection of nickel subsulfide. *J. Environ. Pathol. Toxicol.* 2:1511-1527, 1979.
42. Aden, D.P., Fogel, A., Plotkin, S., Damjanov, I., Knowles, B.B.: Controlled synthesis of HBsAg in a differentiated human liver carcinoma-derived cell line. *Nature (Lond.)* 282:615-616, 1979.
43. Solter, P., Fogel, A., Plotkin, S., Damjanov, I., Knowles, B.B.: Controlled synthesis of HBsAg in a differentiated human liver carcinoma-derived cell line. *Nature (Lond.)* 282:615-616, 1979.
44. Solter, D., Dominis, M., Damjanov, I.: Embryo-derived teratocarcinoma. I. The role of strain and gender in the control of teratocarcinogenesis. *Int. J. Cancer* 24:770-772, 1979.
45. Damjanov, I.: Parieto-visceral yolk sac carcinomas in the rat. *Am. J. Pathol.* 98:569-572, 1980.
46. Solter, D., Dominis, M., Damjanov, I.: Embryo-derived teratocarcinoma. II. Teratocarcinogenesis depends on the type of embryonic graft. *Int. J. Cancer* 25:341-343, 1980.
47. Damjanov, I., Celluzzi, A.: Embryotoxicity and teratogenicity of the anthracycline antibiotic carminomycin in mice. *Res. Comm. Chem. Pathol. Pharmacol.* 28:497-504, 1980.
48. Giknis, M., Damjanov, I., Rubin, E.: The differential transplacental effect of ethanol in four mouse strains. *Neurobehav. Toxicol.* 2:235-237, 1980.
49. Hall, W.C., Damjanov, I., Nielsen, S.W., van der Heide, L., Eaton, H.D.: Testicular changes of acute vitamin A deficiency of cockerels. *Amer. J. Vet. Res.* 41:586-591, 1980.
50. Fox, N., Damjanov, I., Martinez-Hernandez, A., Knowles, B.B., Solter, D.: Immunohistochemical localization of the early embryonic antigen (SSEA-1) in postimplantation mouse embryos, and fetal and adult tissues. *Dev. Biol.* 83:391-398, 1981.

51. Giknis, M., Damjanov, I., Rubin, E.: Ethanol narcophylaxis: Prolongation of ethanol-induced sleeping time by preconditioning. *Res. Comm. Subst. Abuse* 2:85-92, 1981.
52. Wu, T.-C., Wan, Y.-J., Damjanov, I.: Positioning of inner cell mass determines the development of mouse blastocysts in vitro. *J. Embryol. Exp. Morphol.* 65:105-113, 1981.
53. Wu, T.-C., Wan, Y.-J., Damjanov, I.: Rat serum promotes the in vitro development of mouse blastocysts during early somitic stages of embryogenesis. *J. Exp. Zool.* 217:451-453, 1981.
54. Solter, D., Dominis, M., Damjanov, I.: Embryo-derived teratocarcinoma. III. Development of tumors from teratocarcinoma-permissive and non-permissive strain embryos transplanted to F1 hybrids. *Int. J. Cancer* 28:479-483, 1981.
55. Wu, T.-C., Wan, Y.-J., Damjanov, I.: Mouse egg-cylinders developed in vitro may form benign and malignant teratoid tumors. *Experientia* 38:128-129, 1982.
56. Fox, N., Damjanov, I., Knowles, B.B., Solter, D.: Teratocarcinoma antigen is secreted by epididymal cells and coupled to maturing sperm. *Exp. Cell. Res.* 137:485-488, 1982.
57. Wan, Y.-J., Wu, T.-C., Damjanov, I.: Development of early somitic mouse embryos in static culture in vitro. *J. Exp. Zool.* 220:219-225, 1982.
58. Damjanov, I., Solter, D.: Maternally transmitted factors modify development of malignancy of teratomas in mice. *Nature (Lond.)* 296:95-96, 1982.
59. Bagasra, O., Damjanov, I.: Detection of plaque-forming cells by a latex bead technique. *J. Immunol. Meth.* 49:283-292, 1982.
60. Bagasra, O., Damjanov, I.: Ability of macrophages to process and present *Treponema pallidum* Bosnia A strain antigens in experimental syphilis of Syrian hamsters. *Inf. Immun.* 36:176-183, 1982.
61. Fox, N., Shevinsky, L., Knowles, B.B., Solter, D., Damjanov, I.: Distribution of murine stage specific embryonic antigens in the kidneys of three rodent species. *Exp. Cell. Res.* 140:331-339, 1982.
62. Wan, Y.-J., Wu, T.-C., Damjanov, I.: Twinning and conjoined placentation in mice. *J. Exp. Zool.* 221:81-86, 1982.
63. Martinez-Hernandez, A., Miller, E.J., Damjanov, I., Gay, S.: Laminin-secreting yolk sac carcinoma of the rat: Biochemical and electron immunohistochemical studies. *Lab. Invest.* 47:247-257, 1982.

64. Damjanov, I., Fox, N., Knowles, B.B., Solter, D., Lange, P.H., Fraley, E.E.: Immunohistochemical localization of murine stage specific embryonic antigens in human testicular germ cell tumors. *Am. J. Pathol.* 108:225-230, 1982.
65. Shevinski, L.H., Knowles, B.B., Damjanov, I., Solter, D.: An Stage-specific antigen (SSEA-3) defined by monoclonal antibody to murine embryos expressed on preimplantation mouse embryos and on human teratocarcinoma stem cells. *Cell* 30:697-705, 1982.
66. Damjanov, I., Bagasra, O., Dominis, M., Solter, D.: Embryo-derived teratocarcinoma. IV. The role of immune factors in the regulation of teratocarcinogenesis. *Int. J. Cancer* 30:759-762, 1982.
67. Fox, N., Damjanov, I., Knowles, B.B., Solter, D.: Immunohistochemical localization of the mouse stage-specific embryonic antigen 1 in human tissues and tumors. *Cancer Res.* 43:669-678, 1983.
68. Oosterhuis, J.W., Damjanov, I.: Treatment of primary embryo-derived teratocarcinomas in mice with cis-diammine-dichloro-platinum. *Eur. J. Cancer Clin. Oncol.* 19:693-695, 1983.
69. Fox, N., DeSouza, L., Simon, D., Damjanov, I.: Male murine embryonal carcinoma cell line selectively metastatic to the ovaries and adrenals. *Virchows Arch. Cell. Pathol.* 43:241-251, 1983.
70. Wu, T.-C., Wan, Y.-C., Damjanov, I.: Distribution of *Bandeiraea simplicifolia* lectin binding sites in the genital organs of female and male mice. *Histochemistry* 77:233-241, 1983.
71. Bagasra, O., Eppright, B.M., Damjanov, I.: Latex bead technique for detection of the plaque forming cell response to teratocarcinoma tumor antigens. *Cancer Immunol. Immunother.* 15:27-31, 1983.
72. Paiva, J., Damjanov, I., Lange, P.H., Harris, H.: Immuno-histochemical localization of placental-like alkaline phosphatase in testis and germ cell tumors using monoclonal antibodies. *Am. J. Pathol.* 111:156-165, 1983.
73. Oosterhuis, J.W., Bagasra, O., Kushner, H., Fox, N., Damjanov, I.: The effects of regional factors on the growth rate and the differentiation of mouse teratocarcinoma. *Brit. J. Cancer* 47:407-411, 1983.
74. Wu, T.-C., Wan, Y.-J., Damjanov, I.: Fluorescein conjugated *Bandeiraea simplicifolia* lectin as a marker of endodermal, yolk sac and trophoblastic differentiation in the mouse embryo. *Differentiation* 24:55-59, 1983.

75. Damjanov, I., Andrews, P.W.: Ultrastructural differentiation of a clonal human embryonal carcinoma cell line in vitro. *Cancer Res.* 43:2190-2198, 1983.
76. Lee, M.-C., Wu, T.-C., Wan, Y.-J., Damjanov, I.: Pregnancy-related changes in the mouse oviduct and uterus revealed by differential binding of fluoresceinated lectins. *Histochemistry* 79:365-375, 1983.
77. Wu, T.-C., Wan, Y.-J., Chung, A.E., Damjanov, I.: Immunohistochemical localization of entactin and laminin in mouse embryos and fetuses. *Dev. Biol.* 100:496-505, 1983.
78. Wan, Y.-J., Wu, T.-C., Chung, A.E., Damjanov, I.: Monoclonal antibodies to laminin reveal the heterogeneity of basement membranes in the developing and adult mouse tissues. *J. Cell Biol.* 98:971-979, 1984.
79. Andrews, P.W., Damjanov, I., Simon, D., Banting, G.S., Carlin, C., Dracopoli, N.C., Fogh, J.: Pluripotent embryonal carcinoma clones derived from the human teratocarcinoma cell line Tera-2. Differentiation in vivo and in vitro. *Lab. Invest.* 50:147-162, 1984.
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