

## CURRICULUM VITAE

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### EDUCATION

Syracuse University; B.S., Zoology, 1971

Brooklyn College, CUNY; M.A., Biology, 1977

Fordham University; Ph.D., Biology, 1985

### EMPLOYMENT

|                     |                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1988-Present</b> | President, Director of Research; Mastology Research Institute of The Elliott-Elliott-Head Breast Cancer Research and Treatment Center, Baton Rouge, Louisiana. |
| 2005-               | Adjunct Associate Professor; Department of Pathobiological Sciences, Louisiana State University School of Veterinary Medicine, Baton Rouge, Louisiana.         |
| 2005-               | Member; Network of Healthcare Advisors.                                                                                                                        |
| 2000-               | Member; Council of Healthcare Advisors, Gerson Lehrman Group.                                                                                                  |
| 1999-2004           | Director of Research and Development; Innovative Drug Technologies, Oklahoma City, Oklahoma.                                                                   |
| 1998-2000           | Adjunct Professor; Biodynamics Institute, Louisiana State University, Baton Rouge, Louisiana.                                                                  |
| 1995-2001           | Director of Research and Development; Medical Thermal Diagnostics, Baton Rouge, Louisiana.                                                                     |
| 1992-               | Adjunct Professor; Departments of Biological and Physical Sciences, Delta                                                                                      |

- 1989- State University, Cleveland, Mississippi.  
Adjunct Associate Professor; Department of Biochemistry, Tulane University School of Medicine, New Orleans, Louisiana.
- 1986-1988** Director/Department Head; Tumor Cell Biology, Center for Clinical Sciences, International Clinical Laboratories/SmithKline Bio-Science Laboratories, Nashville, Tennessee.
- 1978-1987** Mt. Sinai School of Medicine, New York, New York.
- 1986-1987 Research Assistant Professor; Department of Pediatrics, Mt. Sinai School of Medicine, New York, New York.
- 1984-1986 Research Associate; Department of Pediatrics, Mt. Sinai School of Medicine, New York, New York.
- 1981-1984 Graduate Student; Department of Biological Sciences, Fordham University, Bronx, New York.
- 1978-1984 Research Assistant; Department of Pediatrics, Mt. Sinai School of Medicine, New York, New York.
- 1978** Research Assistant; Department of Immunology, Cornell University Medical College, New York, New York.
- 1974-1978** Biologist, Senior Biologist, Research Assistant; Division of Cell Biology, Naylor Dana Institute for Disease Prevention, American Health Foundation, Valhalla, New York.
- 1971-1974** Graduate Student, Adjunct Lecturer; Brooklyn College, CUNY, Brooklyn, New York.
- 1972, 1973** Summer Research Assistant; Environmental Science Section, Boyce Thompson Institute, Yonkers, New York.

## **BIBLIOGRAPHY**

### **Journal Publications**

1. Chan, P.C., Tsuang, J., Head, J., Cohen, L.A., and Weisburger, J.H.: Effects of Estradiol and Prolactin on Growth of Rat Mammary Adenocarcinoma Cells in Monolayer Cultures. **Proc. Soc. Exp. Biol. and Med.** 151:362-365, 1976.

2. Chan, P.C., Head, J.F., Cohen, L.A., and Wynder, E.L.: The Influence of Dietary Fat on the Induction of Rat Mammary Tumors by N-nitrosomethylurea: Associated Hormone Changes and Differences Between Sprague-Dawley and F344 Rats. **J. Natl. Cancer Inst.** 59:1279-1283, 1977.
3. Greengard, O., Head, J.F., and Goldberg, S.L.: Uridine Kinase, Adenylate Kinase, and Guanase in Human Lung Tumors. **Cancer Research** 40:2295-2299, 1980.
4. Greengard, O., Head, J.F., Goldberg, S.L., and Kirschner, P.A.: Enzyme Pathology and the Histologic Categorization of Human Lung Tumors: The Continuum of Quantitative Biochemical Indices of Neoplasticity. **Cancer** 49:460-467, 1982.
5. Greengard, O., Head, J.F., Koss, B., and Manton, M.: The Responses of Bone Marrow  $\gamma$ -Glutamyl Transpeptidase and Alkaline Phosphatase *In Vitro* to Tumor-elaborated Granulocytopoietic Factors. **Cancer Research** 44:472-477, 1984.
6. Balinsky, D., Greengard, O., Cayanis, E., and Head, J.F.: Enzyme Activities and Isozyme Patterns in Human Lung Tumors. **Cancer Research** 44:1058-1062, 1984.
7. Greengard, O., Head, J.F., Goldberg, S.L., and Kirschner, P.A.: Biochemical Measure of the Volume Doubling Time (DT) of Human Pulmonary Neoplasms. **Cancer** 55:1530-1535, 1985.
8. Head, J.F.: A Biochemical Study of Tumor Growth and its Effect on Uninvolved Tissues of the Host. **Diss. Fordham Univ.**, 1986.
9. Greengard, O., Head, J.F., Goldberg, S.L., and Kirschner, P.A.: Pulmonary Carcinoid Tumors: Enzyme Discriminants, Growth Rate and Early Age of Inception. **Cancer Research** 46:2600-2605, 1986.
10. Greengard, O., Head, J.F., Chahinian, P.A., and Goldberg, S.L.: Enzyme Pathology of Human Mesotheliomas. **J. Natl. Cancer Inst.** 78:617-622, 1987.
11. Bhargava, G., Head, J.F., Bailey, S.C., and Greengard, O.: Characterization of a Mammary Carcinoma Elaborated Factor Stimulating  $\gamma$ -Glutamyltranspeptidase Expression in Bone Marrow Cells. **Cancer Research** 47:6262-6266, 1987.
12. Foster, L.B., and Head, J.F.: Adhesive Tumor Cell Culture System. **J. Clin. Oncol.** 6:178-179, 1988.
13. Head, J.F., Bailey, S.C., Bhargava, G., and Greengard, O.: Enhancement of  $\gamma$ -Glutamyltranspeptidase (GGT) Expression in Bone Marrow Cells by Colony Stimulating Factors (CSFs). **Enzyme** 40:204-211, 1988.
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  18. Greengard, O., and Head, J.F.: Common Characteristics of Normal and Cancerous Growth *In Vivo*. **Adv. Enzyme Regulation** 32:211-224, 1992.
  19. Elliott, R.L., and Head, J.F.: Termografia Mamaria (Tecnica Clinica Valiosa o Despreciable). **Focus** 3:41-42, 1992.
  20. Wang, F., Head, J.F., and Elliott, R.L.: Deferoxamine Induced Ultrastructural Lesions of Nucleoli in MCF-7 Carcinoma Cell Line. **Proc. 51st Annual Meeting of the Microscopy Society of America** 51:198-199, 1993.
  21. Head, J.F., Elliott, R.L., and McCoy, J.L.: Evaluation of Lymphocyte Immunity in Breast Cancer Patients. **Breast Cancer Res. Treat.** 26:77-88, 1993.
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  26. Wang, F., Head, J.F., and Elliott, R.L.: Characterization of Morphological and Cytotoxic Changes of Peripheral Blood Lymphocytes Induced by Interleukine-2. **Proc. 52nd Annual Meeting of the Microscopy Society of America** 52:288-289, 1994.

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65. Elliott, R.L., and Head, J.F.: Host Immunity Ignored in Clinical Oncology: A Medical Opinion. **Cancer Biother. Radiopharm.** 20:119-121, 2005.

### Abstracts

1. Chan, P.C., Head, J.F., and Tsuang, J.: Hormonal Influence in Growth and cAMP Levels in a Rat Mammary Adenocarcinoma Cell Line. **In Vitro** 13:190, 1977.
2. Chan, P.C., Head, J.F., Cohen, L.A., and Wynder, E.L.: Effect of High Fat Diet on Serum Prolactin Levels and Mammary Cancer Development in Ovariectomized Rats. **Proc. Amer. Assoc. Cancer Res.** 18:189, 1977.
3. Chan, P.C., Head, J.F., and Rochefort, H.: Growth Response of Two Rat Mammary Tumor Cell Lines to Hormones. **Meeting on Mammary Cancer in Experimental Animals and Man** 11:110, 1978.
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5. Head, J.F.: A Biochemical Study of Tumor Growth and its Effect on Uninvolved Tissues of the Host. **Diss. Abstr. Int. (Sci.)** 46:2527, 1986.
6. Head, J.F., Bailey, S.C., Bhargava, G., and Greengard, O.: Gamma-Glutamyltranspeptidase (GGT) and Alkaline Phosphatase (AP) Induction in Bone Marrow Cells by Colony Stimulating Factors. **Proc. Amer. Assoc. Cancer Res.** 28:66, 1987.
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25. Head, J.F., Bruce, T.L. and Elliott, R.L.: Inhibitory Effect of Deferoxamine Mesylate on the Growth of HeLa and MCF-7 Carcinoma Cell Lines. **Proc. Amer. Assoc. Cancer Res.** 33:505, 1992.
26. Elliott, R.L., Elliott, M.C. and Head, J.F.: Iron Metabolism in Breast Cancer (A Cytochemical, Tissue Culture, and Ultrastructural Study). **Proc. Amer. Soc. Clin. Oncol.** 11:62, 1992.
27. Head, J.F., Haynes, A.E. and Elliott, R.L.: One Year Follow-up of Patients With Abnormal Mammograms That Had Stereotaxic Localization and Needle Biopsy of Nonpalpable Breast Lesions With the Mammotest II. **Proc. Amer. Soc. Clin. Oncol.** 11:62, 1992.
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### **Book Chapters**

1. Greengard, O., and Head, J.F.: Enzyme Pathology of Neoplasms and of Uninvolved Tissues of the Host. In: T.J. Peters(ed.), **Subcellular Pathology of Systemic Disease**, pp. 43-65. London: Chapman and Hall, Ltd., 1987.

### **CME Programs**

1. Elliott, R.L., and Head, J.F.: Stereotaxic Localization of Nonpalpable Breast Lesions. **Medical Portfolio for General Surgeons** 11:1, 1997.

### **PROFESSIONAL SOCIETIES**

American Association for the Advancement of Science

New York Academy of Sciences

American Association for Cancer Research

American Society of Clinical Oncology

International Society for Biological Therapy of Cancer

European Society for Medical Oncology

The American Academy of Thermology

IEEE Engineering in Medicine and Biology Society

American Society of Breast Disease

### **CERTIFICATION AND LICENSURE**

Clinical Laboratory Director (HCLD); American Board of Bioanalysis

Medical Laboratory Director--Clinical Chemistry; State of Tennessee

Clinical Laboratory Scientist--Specialist; State of Louisiana

The American Board of Thermology; Certified in Oncology

The American Board of Thermology; Certified in Vascular Medicine

### **EDITORIAL BOARD**

Medical Science Monitor (MSM)

### **PATENTS**

Vaccination of Cancer Patients Using Tumor-associated Antigens Mixed with Interleukin-2 and Granulocyte-macrophage Colony Stimulating Factor. Jonathan F. Head and Robert L. Elliott.

### **GRANTS AND CONTRACTS**

SBIR contract, Phase I, DOD (Army), \$100,000/6 months, 7/15/95-1/15/96, Development of Second Generation Thermography with Computerized Image Analysis for Breast Cancer Diagnosis. Principal Investigator: Jonathan F. Head.

SBIR contract, Phase II, DOD (Army), \$750,000/2 years.

Office of Naval Research Contract, 2 years, 3/7/02-11/15/05, Development of a Web-Based Database of Breast Infrared Images.