

**Original Articles**

- Evidence for Human Placental Lactogen Immunoreactivity in Rat Pars Distalis Raphael J. Witorsch 1
- Preparation and Characterization of Peroxidase: Antiperoxidase-Fab Complex J. Randall Slemmon, Paul M. Salvaterra, Kihachi Saito 10
- Ultrastructural Localization of Nicotinamide Adenine Dinucleotide Phosphatase (NADPase) Activity to the Intermediate Saccules of the Golgi Apparatus in Rat Incisor Ameloblasts C.E. Smith 16
- Cytochemical Studies on the Relation of Nucleoside Triphosphatase Activity to Ribonucleoproteins in Isolated Rat Liver Nuclei Andrzej Vorbrodt, Gerd G. Maul 27
- Separation of Viable T and B Lymphocytes Using a Cytochemical Stain, Hoechst 33342 Michael R. Loken 36
- Sensitivity in Electron Microscope Autoradiography for Calcium-45 William V. Harris, Miriam Mark Salpeter 40
- 

**Brief Reports**

- Histiocyte X Positivity for Nonspecific Esterase F. Jaubert, S. Barbey, C. Nogues, J.P. Monnet, M. Grun, C. Nezelof 45
- 

**Technical Notes**

- A Rapid Method of Cryofixation of Tissues In Situ for Ultracryomicrotomy S.H. Chang, W.J. Mergner, R.E. Pendergrass, R.E. Bulger, I.K. Berezsky, B.F. Trump 47
- Trypsin Digestion in Immunoperoxidase Staining Norbert W. Hautzer, Johann F. Wittkuhn, W.T. Elliott McCaughey 52
- 

**Letters to the Editor**

- Cyclic Nucleotide Losses During Tissue Processing for Immunohistochemistry Richard Cumming, Sara Dickison, Gordon Arbuthnott 54
- FITC-Protein A-Gold Complex for Light and Electron Microscopic Immunocytochemistry Jürgen Roth, Moïse Bendayan, Lelio Orci 55
- Are Fast Glycolytic Fibers Present in Slow Loris (*Nycticebus coucang*) Hindlimb Muscles? Dale W. Sickles, Carlin A. Pinkstaff 57



---

## Workshops in Histochemistry and Immunocytochemistry

<b>Introduction</b>	Paul J. Anderson	60
<b>Animal Hydrolases, Introduction</b>	Constance Oliver	61
<b>Cytochemical Localization of Adenylate Cyclase</b>	Leslie S. Cutler, Constance P. Christian	62
<b>Problems Inherent in Obtaining the Alkaline Phosphatase Reaction</b>	Stephen B. Doty	66
<b>Reliability and Specificity of Membrane Adenosine Triphosphatase Localizations</b>	J.A. Firth	69
<b>Autoradiographic Localization of Tritiated Ouabain-sensitive Sodium Pump Sites in Ion Transporting Epithelia</b>	Stephen A. Ernst, John W. Mills	72
<b>Cytochemical Localization of Acid Phosphatase and Trimetaphosphatase Activities in Exocrine Acinar Cells</b>	Constance Oliver	78
<b>Cytochemical Differentiation of the Golgi Apparatus from GERL</b>	Arthur R. Hand	82
<b>Cytochemical Localization of Acid Hydrolases in Neurons of the Mammalian Central Nervous System</b>	Richard D. Broadwell	87
<b>Ultrastructural Localization of Elastase-like Enzymes in Human Neutrophils</b>	Judy M. Clark, Bradley M. Aiken, Deborah W. Vaughan, Herbert M. Kagan	90

---

## Book Reviews

<b>Enzyme Histochemistry: A Laboratory Manual</b>	Tibor Barka	93
---	-------------	----

<b>Books Received</b>		94
-----------------------	--	----

<b>Histochemical Activities and Localizations</b>		96
---	--	----

<b>Guidelines for Authors</b>		97
-------------------------------	--	----