

3-1958

International Symposium: The Mechanisms of Hypersensitivity

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Recommended Citation

(1958) "International Symposium: The Mechanisms of Hypersensitivity," *Henry Ford Hospital Medical Bulletin* : Vol. 6 : No. 1 , 71-78.

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INTERNATIONAL SYMPOSIUM
THE MECHANISMS OF HYPERSENSITIVITY

March 27, 28, 29, 1958

The professional staff of the Henry Ford Hospital with the initial advice and support of the Board of Trustees and Dr. Robin C. Buerki, Executive Director, of the Henry Ford Hospital, is sponsoring an international symposium on the subject The Mechanisms of Hypersensitivity. This symposium will be held at the Henry Ford Hospital, March 27, 28, 29, 1958, in the Clinic Auditorium. The program follows and has been prepared with the help of the advisory members:

PROGRAM COMMITTEE

ADVISORY MEMBERS:

Chairman:

Merrill W. Chase	The Rockefeller Institute for Medical Research New York City, New York.
Geoffrey Edsall	Walter Reed Army Institute for Research, Washington, D. C.
Frederick G. Germuth, Jr.	Johns Hopkins University School of Medicine, Baltimore, Maryland.
Herman N. Eisen	Washington University School of Medicine, St. Louis, Missouri.
Bram Rose	McGill University, Montreal, Canada.

LOCAL MEMBERS:

General Chairman:

Joseph H. Shaffer	Division of Allergy, Henry Ford Hospital.
Dwight C. Ensign	Division of Arthritis, Henry Ford Hospital.
Walter J. Nungester	University of Michigan, Professor and Chairman, Department of Bacteriology, Ann Arbor, Michigan.

Secretary:

Gerald A. LoGrippe	Division of Microbiology, Henry Ford Hospital
Clarence S. Livingood	Department of Dermatology, Henry Ford Hospital.
John W. Rebuck	Division of Hematology, Henry Ford Hospital.

International Symposium

PROGRAM

FIRST MORNING SESSION

March 27, 1958 — Thursday, A. M.

8:50 A.M. Remarks of Welcome
Robin C. Buerki, Executive Director, Henry Ford Hospital.

8:55 Announcements
Joseph H. Shaffer
Chairman: *Merrill W. Chase*, New York City

HETEROGENEITY OF ANTIBODIES

9:00 Chairman's Remarks
Merrill W. Chase

9:05 Evidence for Qualitative Differences in Antibodies
David W. Talmage, Chicago

9:30 Quantitative Measurement of Heterogeneity Among Antibodies
Fred Karush, Philadelphia

9:50 Heterogeneity of Diphtheria Antitoxins
Marcel Raynaud, Garches, France

10:10 Discussion Designated
William C. Boyd, Boston, *William Joseph Kuhns*, Pittsburgh,
William H. Taliaferro, Chicago

10:30 General Discussion

10:45 Intermission
Chairman: *Bram Rose*, Montreal, Canada

DETECTION OF ANTIBODIES IN HUMAN SERA

11:00 Detection of Non-Precipitating Antibodies in Allergic Sera
Alec H. Sehon, Montreal, Canada

11:15 Detection of Antibody Capable of Removing Skin Reactivity in Pollen Extract
Francis C. Lowell, Boston

11:30 Detection of Human Blocking Antibody to Ragweed by Inhibition of a Complement Fixation Test
William B. Sherman, New York City and *Joseph Portnoy*, Chapel Hill, North Carolina

11:40 Approaches to the Problem of Detecting Antibodies
Stephen V. Boyden, Copenhagen, Denmark

The Mechanisms of Hypersensitivity

- 12:05 Discussion Designated
Dan Hampton Campbell, Pasadena
- 12:10 General Discussion
- 12:30 Luncheon

FIRST AFTERNOON SESSION

March 27, 1958 — Thursday, P. M.

Chairman: *Walter J. Nungester, Ann Arbor*

EFFECTS OF ANTIBODY AND OF ANTIGEN-ANTIBODY COMPLEXES ON INTACT CELLS AND WHOLE ORGANISMS

- 2:00 P.M. Some Cytologic Effects of Antibodies
Harrison Latta, Los Angeles
- 2:15 Discussion Designated
John W. Rebuck, Detroit
- 2:25 *In Vivo* Location of Specific Anti-Organ Sera: Relation to Occurrence
of Renal Lesions
Beatrice Carrier Seegal, New York City
- 2:35 Role of Antibody and of Antigen-Antibody Complexes in Experimental
Hypersensitivity
Frederick G. Germuth, Jr., Baltimore
- 3:00 Role of *In Vivo* Antigen-Antibody Precipitation in Hypersensitivity
Reactions
George Edward McKinnon, Salt Lake City
- 3:10 Intermission
- 3:30 An Antigen-like Substance obtained from Serum after Disappearance of
the Original Antigen
Ludwig A. Sternberger, Army Chemical Center, Maryland
- 3:45 Immunohistochemical Analysis of Hypersensitivity and Related Lesions
Frank James Dixon, Jr., Pittsburgh
- 4:05 Discussion Designated
Charles A. Janeway, Boston and Victor A. Najjar, Nashville, Tenn.
- 4:25 General Discussion

FIRST EVENING SESSION

Chairman: *Frank C. MacIntosh, Montreal, Canada*

PERMEABILITY FACTORS

- 8:00 P.M. Chairman's Remarks
Frank C. MacIntosh

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- 8:10 Serotonin
Sidney Udenfriend, Bethesda, Maryland
- 8:35 Histamine Metabolism
Richard W. Schayer, Rahway, New Jersey
- 9:00 The Effect of Corticosteroids upon *in vitro* Blood Histamine Release
Joseph W. Noah, St. Louis
- 9:10 Mechanisms of Hypersensitivity as Revealed by the Actions of Inhibitors
H. O. Schild, London, England
- 9:40 General Discussion

SECOND MORNING SESSION

March 28, 1958 — Friday, A. M.

Chairman: *Irwin H. Lepow*, Cleveland

PARTICIPATION OF COMPLEMENT IN ALLERGIC RESPONSES

- 9:00 A.M. Complement: a Review (Including Esterase Activity)
Irwin H. Lepow
- 9:20 Dependency of Passive Cutaneous Anaphylaxis on Complement
Abraham G. Osler, Baltimore
- 9:35 *In Vitro* Models for the Allergic Reaction
Elmer Lewis Becker, Washington, D. C.
- 9:50 Discussion Designated
Herbert J. Rapp, Baltimore, and *Otto J. Plescia*, New Brunswick, N. J.
- 10:05 General Discussion
- 10:20 Intermission

Chairman: *Frank L. Adler*, New York City

AUTO-ANTIBODIES

- 10:40 Chairman's Remarks
Frank L. Adler
- 10:45 Auto Immunity in Thyroid Diseases
Ivan M. Roitt and *Deborah Doniach*, London, England
- 11:05 Autoimmune Hemolytic Anemias
Scott Swisher, Rochester, N. Y.
- 11:25 Anti-Nuclear 'Antibodies' in Lupus Erythematosus
Halsted Ried Holman, New York City

The Mechanisms of Hypersensitivity

- 11:40 Research on L. E. Cell Formation — (Motion Picture)
Roger Robineaux, Paris, France
- 12:05 Discussion Designated
Stuart C. Finch, New Haven
- 12:20 General Discussion
- 12:30 Luncheon

SECOND AFTERNOON SESSION

March 28, 1958 — Friday, P. M.

Chairman: *Herman N. Eisen, St. Louis*

DELAYED TYPE HYPERSENSITIVITY REACTIONS

- 2:00 P.M. Chairman's Remarks
Herman N. Eisen
- 2:05 Relationship of the Delayed Hypersensitive State to Antibody Formation
A. M. Pappenheimer, Jr., New York City
- 2:25 The Cellular Response in forms of Delayed and Immediate-Type Skin Reactions in the Guinea Pig
Melvin H. Kaplan, Cleveland and Louis Dienes, Boston
- 2:40 Discussion Designated
Samuel B. Salvin, Hamilton, Montana
- 2:50 Transfer of Bacterial Hypersensitivity in Man
H. Sherwood Lawrence, New York City
- 3:05 General Discussion
- 3:15 Intermission
- 3:30 Agammaglobulinemic Humans and Delayed-Type Skin Reactions
Robert A. Good, Minneapolis
- 3:50 Metabolic Activities of Isolated Intact Lymph Node Cells
Herman N. Eisen, St. Louis
- 4:05 Histamine in Allergic Responses of the Skin
Theodor Inderbitzin, Zurich, Switzerland
- 4:25 General Discussion

SECOND EVENING SESSION

HOTEL STATLER

- 6:30 Reception

International Symposium

7:30 BANQUET

Chairman: *Geoffrey Edsall*, Washington, D. C.

Are We Too Trigger-Happy?

Arnold Ashley Miles, London, England

THIRD MORNING SESSION

March 29, 1958 — Saturday, A. M.

Chairman: *Frederick G. Germuth, Jr.*, Baltimore

IMMUNOLOGIC UNRESPONSIVENESS

- 9:00 A.M. Immunologic Unresponsiveness to Allergenic Chemicals
Merrill W. Chase, New York City
- 9:15 Further Observations on Immunologic Unresponsiveness Induced by
Type 1 Pneumococcal Polysaccharides
Orton K. Stark, Oxford, Ohio
- 9:25 Immunologic Unresponsiveness to Protein Antigens
William Oliver Weigle, Pittsburgh
- 9:35 Competition of Antigens
Frank L. Adler, New York City
- 9:45 Discussion Designated
Felix Haurowitz, Bloomington, Indiana and *Philip Y. Paterson*,
Bethesda, Maryland and New York City
- 10:00 General Discussion
- 10:10 Intermission

Chairman: *Chandler A. Stetson*, New York City

TOLERANCE AND REJECTION OF TISSUE

- 10:25 Transplantation Immunity and Hypersensitivity
Leslie Brent, London, England
- 10:50 The Role of Antibody in the Rejection of Homografts
Chandler A. Stetson
- 11:05 Acquired Resistance to Transferred Lymph Node Cells
T. N. Harris and *Susanna Harris*, Philadelphia
- 11:20 General Discussion

The Mechanisms of Hypersensitivity

Chairman: *Bram Rose*, Montreal, Canada

HORMONES AND ALLERGIC RESPONSES

- 11:30 Summary of Present Status of Subject
Bram Rose
- 11:40 Effect of Steroids on Antibody Production *In Vivo*
Marvin Darrach, Vancouver, Canada
- 12:00 Cortisone and Lymphoid Tissue in Relation to Hypersensitivity
Herbert C. Stoerk, Rahway, New Jersey
- 12:20 General Discussion
- 12:30 Luncheon

THIRD AFTERNOON SESSION

March 29, 1958 — Saturday, P. M.

Chairman: *Herbert C. Stoerk*, Rahway, New Jersey

THE ROLE OF MYCOBACTERIA IN ALLERGIC MANIFESTATIONS

- 2:00 P.M. Chairman's Remarks
Herbert C. Stoerk
- 2:05 The Sensitizing and Adjuvant Effects of Mycobacterial Cells and Fractions
Robert George White, London, England
- 2:20 The Development of Arthritis in the Rat Following Adjuvant Injection
Carl M. Pearson, Los Angeles
- 2:45 Disseminated Granulomata in the Guinea Pig
Merrill W. Chase, New York City
- 2:55 Experimental Encephalomyelitis as Prototype of a Class of Allergic Diseases
Byron H. Waksman, Boston
- 3:10 Discussion Designated
Leon Sokoloff, Bethesda, Maryland, *Charles Ragan*, New York City
- 3:30 Intermission

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Chairman: *Merrill W. Chase*, New York City

SOME FACTORS MODIFYING THE RESPONSE TO ALLERGENS

- 3:45 The Hereditary Predisposition in Man to Develop Hypersensitivity —
 A Critical Review
 Paul F. de Gara, New York City
- 4:00 Non-hereditary Factors Affecting Contact Dermatitis in Man
 Albert Montgomery Kligman, Philadelphia
- 4:20 The Metabolism of Different Species in Relation to Their Response to
 Allergens
 David Antony Long, Pittsburgh
- 4:35 General Discussion