

CHEMICAL HERITAGE FOUNDATION

**HANS C. OETTGEN**

The Pew Scholars Program in the Biomedical Sciences

Transcript of an Interview  
Conducted by

William Van Benschoten

at

Harvard University  
Cambridge, Massachusetts

on

21 and 22 January 2004

From the Original Collection of the University of California, Los Angeles



Hans C. Oettgen

## ACKNOWLEDGEMENT

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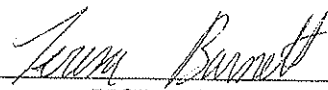
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## HANS C. OETTGEN

1958 Born in Cologne, Germany, on 23 January

### Education

1980 B.A., Williams College  
1987 MD/PhD, Immunology, Harvard Medical School

### Professional Experience

Children's Hospital, Boston, Massachusetts  
1987-1990 Resident in Pediatrics  
1990-1994 Clinical Immunology Fellow

Harvard Medical School, Cambridge, Massachusetts  
1987-1993 Clinical Fellow in Pediatrics  
1994-1995 Instructor in Pediatrics  
1995-present Assistant Professor in Pediatrics

### Honors

1979 Phi Beta Kappa, Williams College  
1980 Sigma Xi, Williams College  
1980 Highest Honors in Chemistry, Williams College  
1987 Shipley Prize for Research, Harvard Medical School  
1991 Janeway Research Scholarship, Children's Hospital, Boston, MA  
1995 Allergy Research Award, Pharmacia Allergy Research Foundation  
1995 Education and Research Trust Award, American Academy of Allergy,  
Asthma and Immunology  
1996 Pew Scholars Program in the Biomedical Sciences Grant

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## ABSTRACT

**Hans C. Oettgen** was born in Cologne, Germany, spent some time in Nairobi, Kenya, but was raised mostly in New Canaan, Connecticut, the eldest of three children. His mother was a teacher; his father was a researcher in immunology and a physician in internal medicine who, eventually, worked at Memorial Sloan-Kettering Cancer Center in New York City. Oettgen enjoyed school, especially math, reading, and spending time outdoors. His family often went camping in the Adirondacks and spent summers traveling by train and/or by boat throughout Europe. He had a chemistry set though his interest in math led him more towards computer programming than performing experiments. He spent time in his father's lab during his childhood, but in high school he worked in some of his father's colleagues labs, mostly doing technical work without understanding the fundamental scientific questions being investigated, until he had the chance to do research involving the isolation of a particular protein from peanuts, called peanut lectin, which binds to a sugar structure and is expressed on some cancer malignancies. He was also in the Boy Scouts of America, was (and is) an avid photographer, and knew that he wanted a broad liberal arts education even though he intended to pursue science or medicine as a career.

Oettgen matriculated at Williams College, majoring in chemistry, but ultimately choosing to attend medical school. He began his medical studies at the Harvard Medical School; the summer after his first year, though, gave him the chance to work with Cornelius P. Terhorst at the Dana-Farber Cancer Center conducting research on B lymphocytes, using protein chemistry to describe B-1 and B-2. While at Harvard he decided to move into the MD/PhD program and continued to work with Terhorst, writing his thesis on the biochemical characterization of T-cell-receptor structure. After completing his residency in 1990, Oettgen was slotted to undertake a postdoctoral fellowship with David Baltimore at the Whitehead Institute, but Baltimore's move to Rockefeller University in New York City prompted Oettgen to do his fellowship with Philip Leder in genetics. As a postdoc he developed a mouse without the gene for immunoglobulin E (IgE). He then accepted a position at Children's Hospital in Boston, Massachusetts, researching the role of IgE in immune function.

At the end of the interview Oettgen talks about the process of writing journal articles; balancing family and career; his leisure activities; the source of his ideas; and the impact of technology on his work. He concludes the interview with a discussion of competition and collaboration in science; the grant-writing process; the role of the scientist in educating the public about science; the impact of the Pew Scholars Program in the Biomedical Sciences on his work; his children; and the benefits of having a clinical practice and doing basic science.

## UCLA INTERVIEW HISTORY

### INTERVIEWER:

William Van Benschoten, Interviewer, UCLA Oral History Program. B.A., History, University of California, Riverside; M.A., History, University of California, Riverside; C. Phil., History, UCLA

### TIME AND SETTING OF INTERVIEW:

**Place:** Oettgen's office, Harvard University.

**Dates, length of sessions:** January 21, 2004 and January 22, 2004

**Total number of recorded hours:** 4.0

**Persons present during interview:** Oettgen and Van Benschoten.

### CONDUCT OF INTERVIEW:

This interview is one in a series with Pew Scholars in the Biomedical Sciences conducted by the UCLA Oral History Program in conjunction with the Pew Charitable Trusts's Pew Scholars in the Biomedical Sciences Oral History and Archives Project. The project has been designed to document the backgrounds, education, and research of biomedical scientists awarded four-year Pew scholarships since 1988.

To provide an overall framework for project interviews, the director of the UCLA Oral History Program and three UCLA faculty project consultants developed a topic outline. In preparing for this interview, Van Benschoten held a telephone preinterview conversation with Oettgen to obtain written background information (curriculum vitae, copies of published articles, etc.) and agree on an interviewing schedule. He also reviewed documentation in Oettgen's file at the Pew Scholars Program office in San Francisco, including Oettgen's proposal application, letters of recommendation, and reviews by Pew Scholars Program national advisory committee members.

### ORIGINAL EDITING:

Carol Squires edited the interview. She checked the verbatim transcript of the interview against the original tape recordings, edited for punctuation, paragraphing, and spelling, and verified proper names. Words and phrases inserted by the editor have been bracketed.

Oettgen reviewed the transcript. He verified proper names and made minor corrections and additions.

Carol Squires prepared the table of contents and TechniType Transcripts compiled the guide to proper names.

## TABLE OF CONTENTS

Early Years	1
Childhood travels. New Canaan, Connecticut. Family background. Parents. Siblings. Childhood interests and experiences. Early schooling. Influential elementary school teachers. Junior high and high school experiences. Reasons for becoming a scientist. Extracurricular activities.	
College and Graduate and Medical School Years	18
Religion. Interest in photography. Decision to pursue science rather than Photography. Attends Williams College for its liberal arts focus. Parental Expectations. Majors in chemistry. Summer position working with Cornelius P. Terhorst at the Dana-Farber Cancer Center. Attends Harvard Medical School. Medical school coursework. Enters MD/PhD program. Doctoral research on the biochemical characterization of T-cell-receptor structure.	
Postdoctoral and Faculty Years	37
Postdoctoral fellowship in genetics with Philip Leder. Develops mouse without the gene for immunoglobulin E (IgE). Leder's management style. Oettgen's wife. Accepts a position at Children's Hospital in Boston, Massachusetts. Setting up his lab. Research on the role of IgE in immune function. Future research in immunology on the role of IgE in contact sensitivity.	
Final Thoughts	48
Applications of his research. Teaching responsibilities. Writing journal articles. Balancing family and career. Leisure activities. Professional and personal goals. Patents. History of science. Tenure at Harvard University. Competition and collaboration in science. The national scientific agenda. Educating the public about science. Privatization of scientific research. The Pew Scholars Program in the Biomedical Sciences. Benefits of having a clinical practice and doing basic science.	
Index	87

## INDEX

### A

Adirondack Mountains, 6  
African Americans, 79  
allergy, 40, 44, 45, 47, 51, 52, 54, 61, 69  
Allergy and Asthma Foundation of  
  America, 52  
American Academy of Allergy, Asthma and  
  Immunology, 51  
American Lung Association, 72  
Ann Arbor, Michigan, 7  
*Aspergillus*, 48  
asthma, 47, 48, 49, 50, 63, 64, 71, 72, 74,  
  76, 86  
Austen, K. Frank, 69

### B

Baltimore, David, 38  
B-cells, 28, 33  
Berkshire Mountains, 7, 28  
Beth Israel Deaconess Medical Center, 69  
Beth Israel Hospital, 7  
Boston, Massachusetts, 27, 39, 44, 69, 72,  
  74, 75, 79  
Bowdoin College, 24  
Boy Scouts of America, 16, 18  
Brigham and Women's Hospital, 69, 74  
Brookline, Massachusetts, 31  
*Bundestag*, 3  
  *Haus und Grund*, 3  
BUXCO box, 63

### C

Cambridge, Massachusetts, 45  
Carter, President James E., 22  
Case Western Reserve University, 69  
CD3, 33, 34, 36  
CD6, 36  
Charles H. Hood Foundation, 44  
Children's Hospital Boston, 39, 42, 57, 72,  
  80, 84

Chipello, Peter, 23  
Christian Democratic Union, 3  
Cologne, Germany, 1, 2, 3, 4, 5, 6  
Columbia University, 30, 44  
contact sensitivity, 49, 50, 59, 61  
Cornell University, 30

### D

Dana-Farber Cancer Institute, 27, 36  
Dartmouth College, 24  
Denver, Colorado, 44, 58  
Detroit, Michigan, 7  
DNA, 40, 58, 66, 71  
*Drosophila*, 74

### E

eczema, 69  
Eifel, 3  
English [language], 8, 10, 11, 12, 21  
eosinophil, 48

### F

FACS, 28  
Field, Miss, 12  
Fleming, Sir Alexander, 62, 64  
French [language], 14  
Freyman, Saxton, 23

### G

Galli, Stephen J., 69  
Geha, Raif S., 45, 69, 70, 80  
German [language], 10, 14  
Germany, 3, 6  
Great Depression, 4  
Greenwich Choral Society, 6  
Gurish, Michael F., 69

### H

Hamburg, Germany, 3  
Harvard Medical School, 30, 81  
Harvard University, 24, 29, 30, 31, 42, 45,



57, 66, 67, 75, 82  
Helgoland, 3  
Hesberg, Carl (maternal grandfather), 3  
Howard Hughes Medical Institute, 39, 64,  
68, 82

## I

IgE. *See* immunoglobulin E  
immunoglobulin E, 39, 40, 43, 47, 48, 49,  
50, 51, 58, 59, 60, 61, 63, 64, 68, 69, 71,  
75, 76, 80, 81  
Iran, 25

## J

Jena, Germany, 5, 6

## K

Kazakhstan, 7  
King, Christopher L., 69

## L

La Jolla, California, 76  
Lake Placid, New York, 6, 17  
Latinos, 79  
Leder, Philip, 38, 41, 42, 47, 48, 57, 67  
leucine aminopeptidase, 27  
Lokody, Robert, 23  
Luchman, Gerta Oettgen (paternal aunt), 3  
Ludwig Institute for Cancer Research, 4

## M

Mahmoud, Adel, 69  
Marshall Plan, 5  
Masai, 11  
Massachusetts Institute of Technology, 21,  
24, 38  
mast cells, 49, 61  
Memorial Sloan-Kettering Cancer Center, 2,  
4, 9, 10, 14, 20, 30  
Memphis, Tennessee, 51  
Merck and Co., Inc., 44, 45  
methacholine, 48  
Mexico City, Mexico, 49  
Millennium Pharmaceuticals, 45

MIT. *See* Massachusetts Institute of  
Technology

## N

Nairobi, Kenya, 2, 10, 11  
Nantucket Island, Massachusetts, 16, 17  
National Institutes of Health, 49, 51, 53, 64,  
67, 68, 70, 71, 73, 74, 75  
National Jewish Health, 44  
New Canaan, Connecticut, 2, 6, 16, 20, 22  
New England, 23, 24, 26, 51  
New York, 20  
New York City, New York, 2, 4, 13, 24, 38  
NIH. *See* National Institutes of Health  
North Sea, 3

## O

Oettgen, Charlotte (daughter), 1, 18, 55, 84,  
85  
Oettgen, Hannah Louise (daughter), 1, 18,  
41, 55, 84, 85  
Oettgen, Herbert (father), 2, 18, 19, 30, 36  
Oettgen, Minna Kaul (paternal  
grandmother), 3  
Oettgen, Peter (brother), 7, 19  
Oettgen, Peter (paternal grandfather), 3  
Oettgen, Trudi Hesberg (mother), 5, 18

## P

parasites, 40, 48, 49, 69  
Pasteur, Louis, 62  
patents, 58, 75  
PCR. *See* polymerase chain reaction  
Pew Charitable Trusts, 73, 74  
Pew Scholars Program in the Biomedical  
Sciences, 44, 52, 72, 78, 80, 81, 85  
Science in Society Institute, 81  
Plato, 25, 30  
Pline, Jennifer (wife), 18, 41, 55, 84  
polymerase chain reaction, 23, 63  
prostaglandins, 69

## R

Rice, Mr., 12

RNA, 63  
Rockefeller University, 38

### S

Santa Monica, California, 76  
*Schistosoma*, 49, 69  
South Central Allergy Conference, 51  
Spanish [language], 14  
Stamford, Connecticut, 2  
Stanford University, 36, 69  
Staples, 84  
Swahili, 11

### T

T3. *See* CD3  
T-cells, 9, 33, 34, 47, 49, 60  
tenure, 66, 69  
Terhorst, Cornelius P., 6, 27, 28, 31, 32, 35,  
36, 37, 39, 41, 42, 47, 59  
*Trichinella*, 49, 69  
*Trichinella spiralis*, 69

### U

U. S. Constitution, 25

U.S. *See* United States of America  
Udall, Representative Morris K., 22  
United States of America, 2, 3, 4, 5, 14, 48,  
82  
Upper Jay, New York, 6

### V

van de Rijn, Matthijs, 36  
Vermont, 10

### W

Washington University in St. Louis, 44, 58  
Wauwinet, Massachusetts, 16  
Wesleyan University, 24  
Westerwald, Germany, 3  
Whitehead Institute, 38  
William F. Milton Fund, 44  
Williams College, 23, 24, 25, 26, 27, 28, 29  
*Williams Record*, 26  
World War II, 5, 6, 18

### Z

Zeiss, Carl, 6