

JANUARY 10, 2017

THE NOBEL PRIZE IN PHYSIOLOGY
OR MEDICINE 2011



RALPH
STEINMAN



MUKHAMMED SEIDALY SPEAKER

Asst. Professor

Arzu Aral



THE NOBEL PRIZE IN PHYSIOLOGY
OR MEDICINE

2011

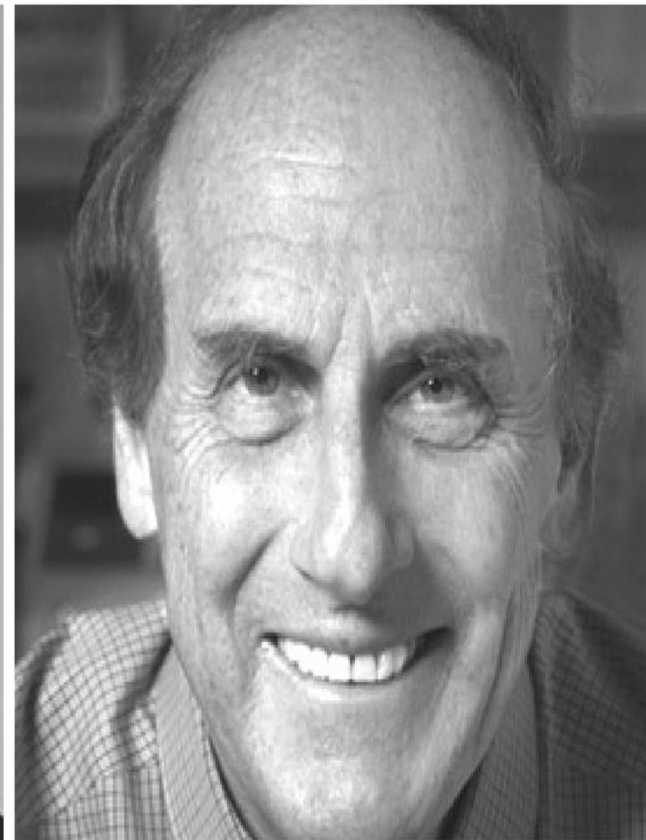


BRUCE BEUTLER

**"FOR THEIR DISCOVERIES CONCERNING THE
ACTIVATION OF INNATE IMMUNITY"**



JULES HOFFMANN



RALPH STEINMAN

**"FOR HIS DISCOVERY OF THE
DENDRITIC CELL AND ITS
ROLE IN ADAPTIVE IMMUNITY"**

GETTING TO KNOW **RALPH STEINMAN**

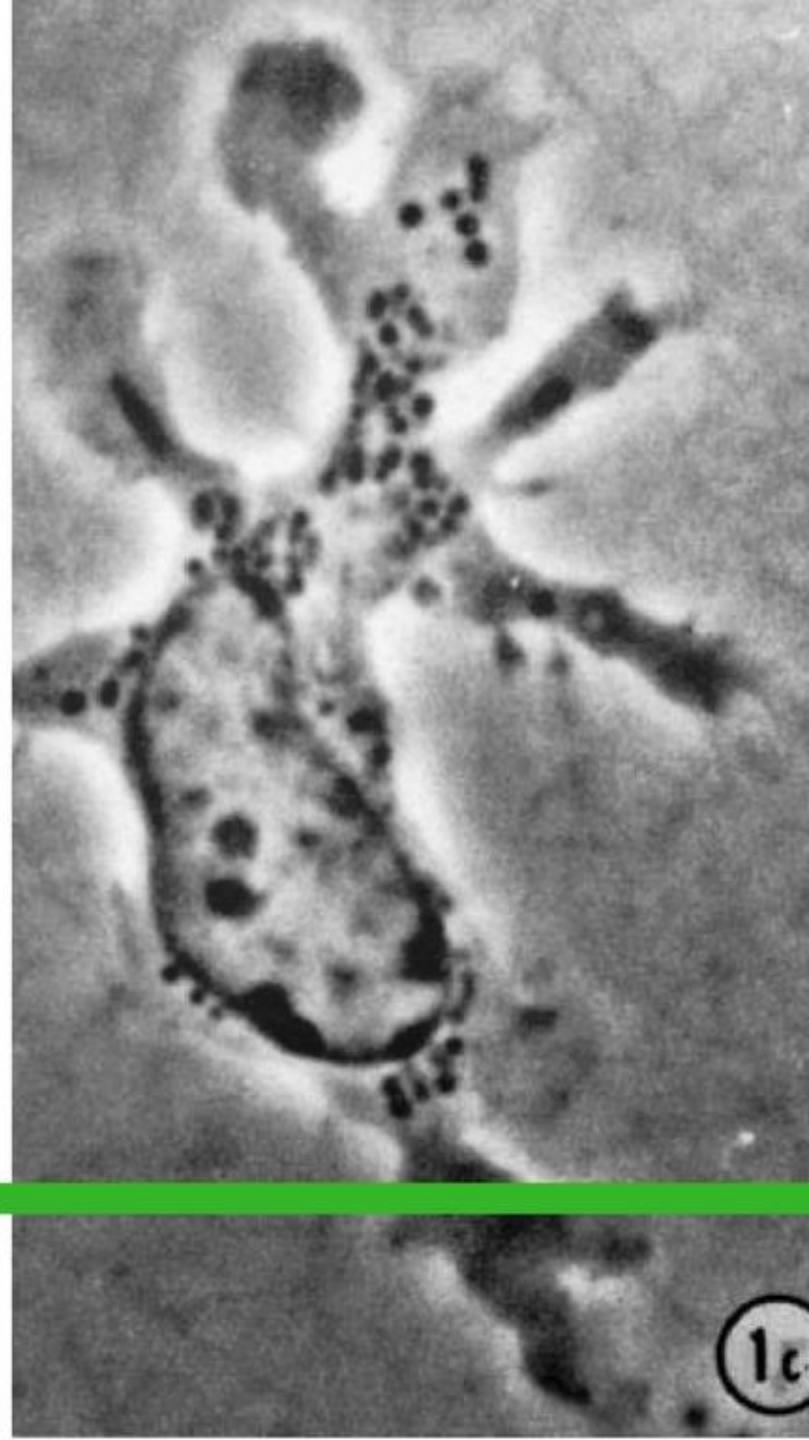
- CANADIAN **IMMUNOLOGIST** AND CELL BIOLOGIST
- BORN INTO AN ASHKENAZI JEWISH FAMILY IN MONTREAL, ON **14 JANUARY 1943**
- HE RECEIVED A B.S. WITH HONORS FROM **MCGILL UNIVERSITY** IN 1963, AND AN M.D. MAGNA CUM LAUDE FROM **HARVARD MEDICAL SCHOOL** IN 1968

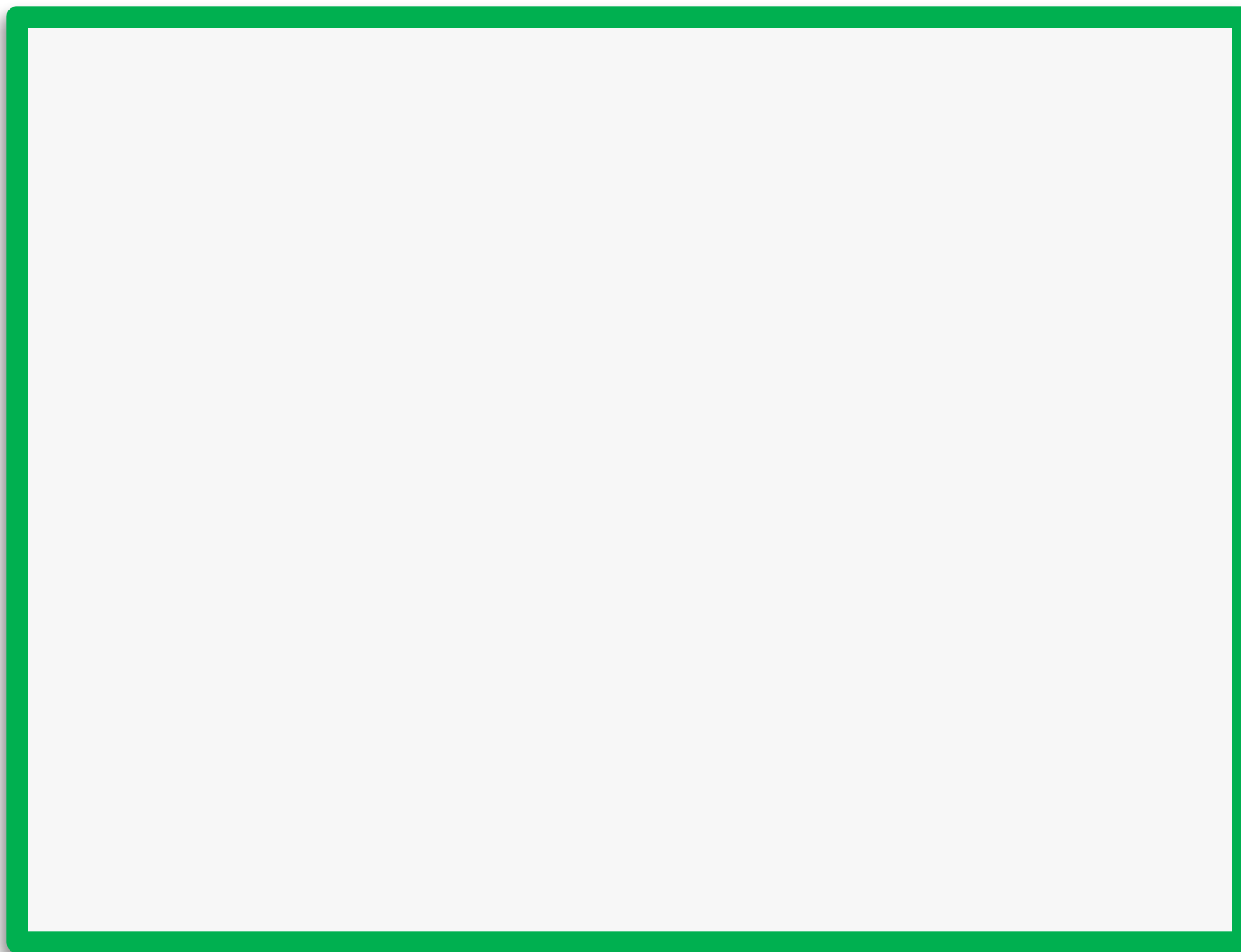


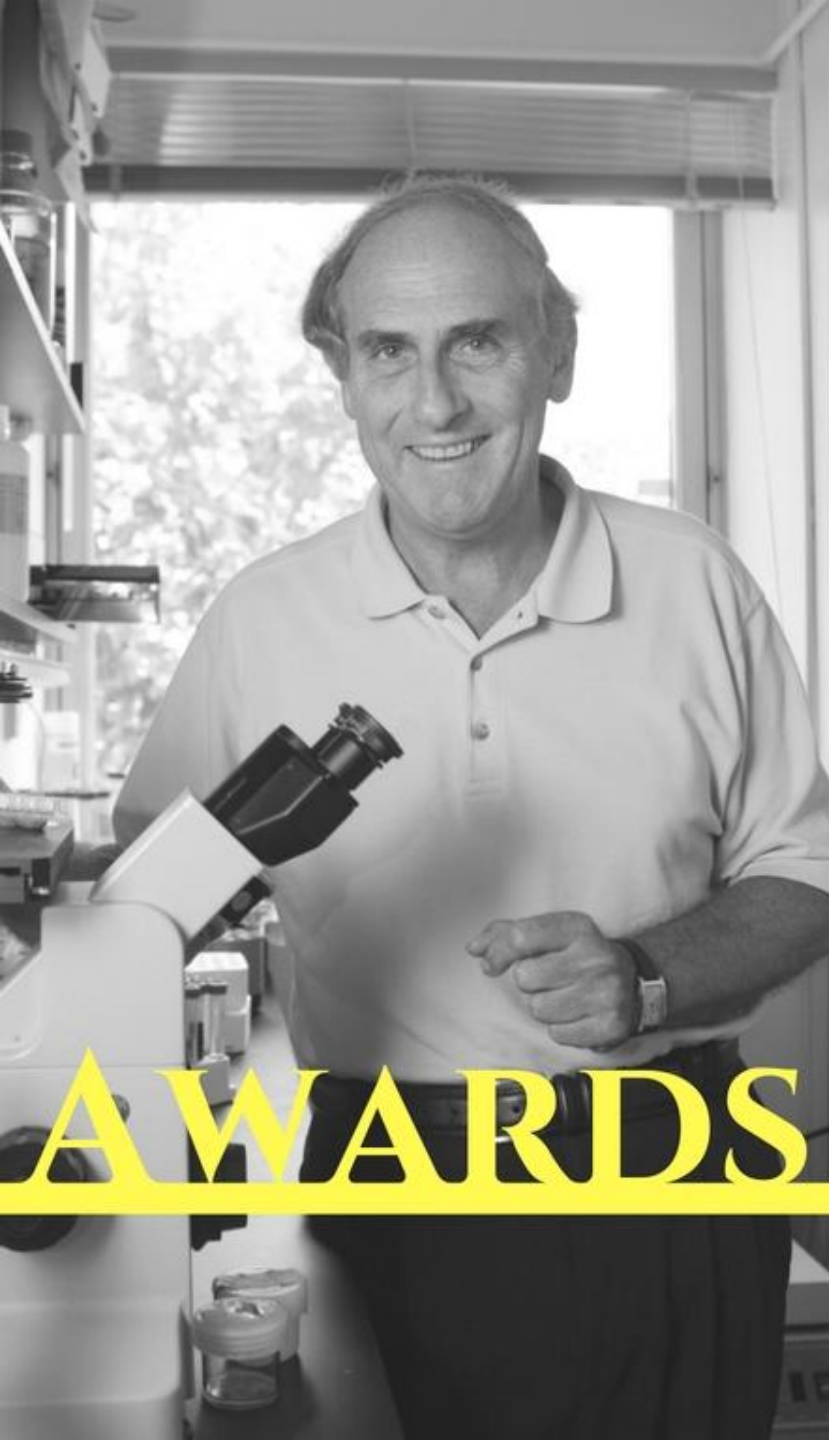
- COMPLETED HIS INTERNSHIP AND RESIDENCY AT
MASSACHUSETTS GENERAL HOSPITAL
 - WAS DRAWN TO BIOMEDICAL RESEARCH AND JOINED
ROCKEFELLER UNIVERSITY IN 1970 WHERE HE SPENT HIS
ENTIRE CAREER
 - IN 1973, STEINMAN DISCOVERED **DENDRITIC CELLS**
 - FOR THE NEXT FOUR DECADES, UNTIL HIS DEATH, STEINMAN'S
LABORATORY WAS AT THE FOREFRONT OF DENDRITIC CELL
RESEARCH
-

DENDRITIC CELLS

- MOST EFFICIENT OF ALL APCs
- CARRY ANTIGENS FROM TISSUES TO LYMPH NODES
- INITIATE ALL ANTIGEN-SPECIFIC T CELL RESPONSES
- MAINTAIN TOLERANCE TO SELF ANTIGENS
- ACTIVATED IN RESPONSE TO (INNATE) MICROBIAL SIGNALS







AWARDS

- 1998 – WILLIAM B. COLEY AWARD
- 1999 – ROBERT KOCH PRIZE
- 2003 – GAIRDNER FOUNDATION
INTERNATIONAL AWARD
- 2006 – DEBRECEN AWARD FOR
MOLECULAR MEDICINE
- 2007 – ALBERT LASKER AWARD FOR BASIC
MEDICAL RESEARCH
- 2009 – ALBANY MEDICAL CENTER PRIZE
- 2010 – HEINEKEN PRIZES
- 2011 – NOBEL PRIZE 



A LITTLE BIT OF DRAMA

- DIAGNOSED WITH **PANCREATIC ADENOCARCINOMA** IN MARCH 2007
- STEINMAN BELIEVED THAT DENDRITIC CELLS HAD THE POTENTIAL TO FIGHT HIS AGGRESSIVE TUMOR
- HE DESIGNED **DENDRITIC CELL-BASED IMMUNOTHERAPIES** FOR HIMSELF THAT HE THOUGHT MIGHT ALSO ADVANCE MEDICAL SCIENCE
- FOR FOUR-AND-A-HALF YEARS AFTER HIS DIAGNOSIS, HE REMAINED QUITE HEALTHY AND CONTINUED TO TRAVEL, LECTURE, AND PURSUE NEW LABORATORY STUDIES



STEINMAN DIED ON 30 SEPTEMBER
2011, THREE DAYS BEFORE HIS
NOBEL PRIZE WAS ANNOUNCED...

CLAUDIA STEINMAN
AND HER CHILDREN
HAVE DONATED THE
ENTIRE PROCEEDS OF
DR. STEINMAN'S
NOBEL PRIZE TO
CHARITY TO SUPPORT
THE CAREERS OF
YOUNG SCIENTISTS
AND SCIENCE
EDUCATION

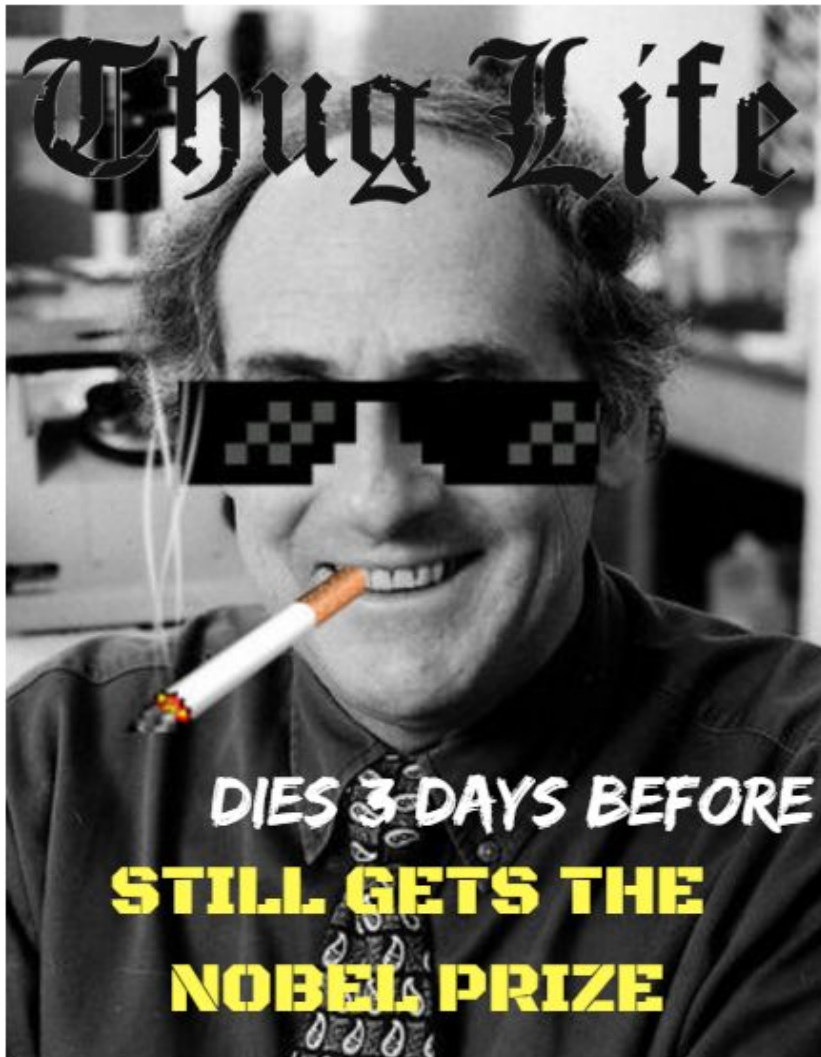


CLAUDIA STEINMAN BLEW A KISS AFTER
RECEIVING THE NOBEL MEDAL AND
DIPLOMA, **10 DECEMBER 2011**



AD AUGUSTA

PER ANGUSTA



**MANY
THANKS**

If you have any
further questions
please don't
hesitate to ask
Google

