

2011

Nobel Prizes Awarded

Atbin Doroodchi

Follow this and additional works at: <https://digitalcommons.library.uab.edu/inquiro>



Part of the [Higher Education Commons](#)

Recommended Citation

Doroodchi, Atbin (2011) "Nobel Prizes Awarded," *Inquiro, the UAB undergraduate science research journal*: Vol. 2011: No. 5, Article 4.

Available at: <https://digitalcommons.library.uab.edu/inquiro/vol2011/iss5/4>

This content has been accepted for inclusion by an authorized administrator of the UAB Digital Commons, and is provided as a free open access item. All inquiries regarding this item or the UAB Digital Commons should be directed to the [UAB Libraries Office of Scholarly Communication](#).

Nobel Prizes Awarded

Atbin Doroodchi

For the Nobel Prizes in Physiology and Medicine for 2011, Bruce A. Beutler and Jules A. Hoffmann were jointly recognized for their discoveries concerning the activation of innate (non-general) immunity and Ralph M. Steinman was recognized for his discovery of the dendritic cell and its role in adaptive immunity. Innate immunity is the non-specific part of the immune system, and it is seen in every animal. Dr. Steinman passed away three days before the announcement of the prize, after suffering from pancreatic cancer.



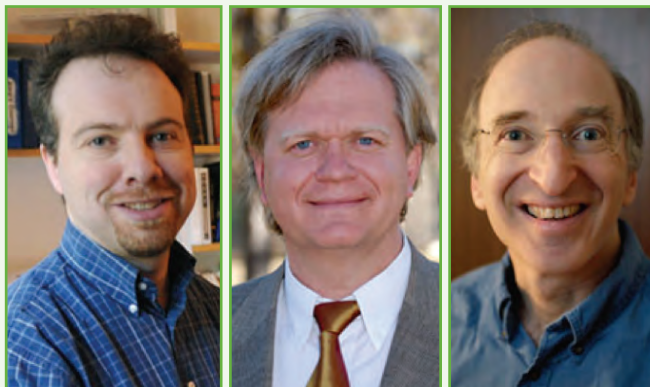
Bruce A. Beutler, Jules A. Hoffman, and Ralph Steinman

In Chemistry, the Nobel was awarded to Dan Schechtman for the discovery of quasicrystals. Quasicrystals are ordered non-periodic structures whereas crystals are periodic structures. They are solid and used in material sciences.



Dan Schechtman

The 2011 Nobel Prize in Physics was divided for the research of Saul Perlmutter and that of Brian P. Schmidt and Adam G. Riess for the discovery of the accelerating expansion of the universe through observations of distant supernovae. Supernovae are stellar explosions that are extremely luminous.



Adam Riess, Brian Schmidt and Saul Perlmutter