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## Genetics of Type 1 Diabetes: What's Next? - NCBI

<https://www.ncbi.nlm.nih.gov/articles/PMC2889752> ▾ 이 페이지 번역하기

F Pociot 저술 - 2010 - 309회 인용 - [관련 학술자료](#)

The **etiology** of human **type 1 diabetes** is still largely obscure, but it is recognized that both **genetic** and **environmental** factors are important in defining disease risk (2). ... Both animal model and human studies indicate that an autoimmune response to the  $\beta$ -cells of the pancreatic islets occurs in **type 1 diabetes**.

[MHC FINE MAPPING](#) · [CANDIDATE GENE STUDIES](#) · [CONCLUSION](#)

## The Pathogenesis and Natural History of Type 1 Diabetes

<https://www.ncbi.nlm.nih.gov/articles/PMC3543105> ▾ 이 페이지 번역하기

MA Atkinson 저술 - 2012 - 252회 인용 - [관련 학술자료](#)

**Type 1 diabetes** (T1D) is a disorder that arises following the autoimmune destruction .... Beyond **current** rates of T1D frequency, for reasons that remain unknown, the ... **understanding** of the roles for **genetics**, immunology, and **environment** in .

[Abstract](#) · [EPIDEMIOLOGY](#) ... · [NATURAL HISTORY OF](#) ...

## Understanding the Importance of Gene and Environment in ...

<https://www.ncbi.nlm.nih.gov/articles/PMC4926872> ▾ 이 페이지 번역하기

M Samsom 저술 - 2016 - 11회 인용 - [관련 학술자료](#)

[Introduction: Disease Etiology](#) 링크로 이동 - **Type 2 diabetes** mellitus (T2DM; previously known as ...

Studies have shown that **genetic** components and **environmental** factors play an ... **Currently**, the U.S. preventive services task force ...

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**Name of Journal:** *World Journal of Diabetes*

**Manuscript No:** 51374

**Manuscript Type:** MINIREVIEWS

**Current understandings of the pathogenesis of type 1 diabetes: Genetics to environment**

Giwa AM *et al.* Research progress in the pathogenesis of T1D

Adebola Matthew Giwa, Rizwan Ahmed, Zahra Omidian, Neha Majety, Kagan Ege Karakus, Sarah M Omer, Thomas Donner, Abdel Rahim A Hamad

**Abstract**

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Current understandings of the pathogenesis of type 1 diabetes:



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## Genetics, pathogenesis and clinical interventions in type ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4959889>

Apr 29, 2010 · Pathophysiology of type 1 diabetes in mouse and human. During the last 25 years, two key animal models of **type 1 diabetes—the inbred BioBreeding (BB) rat 7 and non-obese diabetic (NOD) mouse 1,8**—have been used to study the **genetics**, pathophysiology and environmental impact on the spontaneous form of this disease.

**Cited by:** 1031**Author:** Jeffrey A. Bluestone, Kevan Herold, Geor...**Publish Year:** 2010

## The Pathogenesis and Natural History of Type 1 Diabetes

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3543105>

**NATURAL HISTORY OF TYPE 1 DIABETES.** Over the past three decades, the ability to **understand** the natural history of T1D has improved dramatically through the combined use of **genetic**, autoantibody, and metabolic markers of the disease (Atkinson 2005). Indeed, in the mid-1980s, a now oft-cited model was developed that attempted to integrate each of these three features (Eisenbarth 1986).

**Cited by:** 167**Author:** Mark A. Atkinson**Publish Year:** 2012

## Current Concepts on the Pathogenesis of Type 1 Diabetes ...

<https://care.diabetesjournals.org/content/38/6/979> ▾

Jun 01, 2015 · It may be considered unusual to consider a period of three decades “historical.” Yet, the evolution for our **understanding** of the natural history and **pathogenesis of type 1 diabetes** has been greatly advanced by a vast number of studies aimed at validating a model (1), proposed by the late Dr. George Eisenbarth in 1986 (2). As a result of this work, the majority of **current** conventional ...

**Cited by:** 79**Author:** Mark A. Atkinson, Matthias von Herrath, ...**Publish Year:** 2015

## Genetics, pathogenesis and clinical interventions in type ...

[https://www.nature.com/articles/nature08933?error=cookies\\_not\\_supported&code=a0dd829c...](https://www.nature.com/articles/nature08933?error=cookies_not_supported&code=a0dd829c...)

Apr 29, 2010 · We note that of 26 loci identified through the **genome-wide association study** (GWAS 17) of **human type 1 diabetes**, at least 6 loci are shared between the **NOD mouse model** and humans