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Although the road is a long one, investigators are making exciting progress toward their goal of mapping the human genome. This issue contains a wall chart, Genome Maps III (pages 87 to 102), as well as research Articles, Articles, a Perspective, and News stories relating to genome mapping. [Illustration: Susan Nowosiawski, Washington, DC]

ARTICLES

A Comprehensive Genetic Linkage Map of the Human Genome
NIH/CEPH Collaborative Mapping Group

Genome Analysis and the Human X Chromosome

The B Cell Antigen Receptor Complex: Association of Ig-α and Ig-β with Distinct Cytoplasmic Effectors

Production of the Alzheimer Amyloid β Protein by Normal Proteolytic Processing

Structural Basis of the Intrastereic Regulation of Myosin Light Chain Kinases

Lack of Protective Immunity Against Reinfection with Hepatitis C Virus

REPORTS

Time and Metamorphic Petrology: Calcite to Aragonite Experiments
B. R. Hacker, S. H. Kirby, S. R. Bohlen

An Experiment-Based Model for the Petrogenesis of High-Alumina Basalts
J. S. Beard and G. E. Lofgren

Sensitivity of Glaciers and Small Ice Caps to Greenhouse Warming
J. Oerlemans and J. P. F. Fortuin

Sulfate Cooling Effect on Climate Through In-Cloud Oxidation of Anthropogenic SO₂
J. Lelieveld and J. Heintzenberg

Immono-PCR: Very Sensitive Antigen Detection by Means of Specific Antibody-DNA Conjugates
T. Sano, C. L. Smith, C. R. Cantor

Appendix: A Comprehensive Genetic Linkage Map of the Human Genome
NIH/CEPH Collaborative Mapping Group
Editor's Summary

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