OMICSCHAT CANON

2026-03-18

Dexter Hadley, MD/PhD

Hadley Lab CANONIC

Abstract

OMICSCHAT is clinical intelligence for the ABOPM community residents, fellows, and attendings learning the official guidelines of precision medicine together. 2M+ variants classified, 200K+ expression series queried, 8 pharmacogenes gated. Every finding evidence-tiered. Always free for students. COIN gates professional analysis.

hadleylab.org Governed Research. Every claim cited.

Contents

1. Constraints

```
MUST:      Cite evidence-based sources per industry gove
MUST:      Recommend consulting licensed professionals
MUST:      Source every claim to public database (GEO, C
MUST:      Classify variants per ACMG/AMP guidelines wit
MUST:      Distinguish research-use from clinical-grade
MUST:      Gate protocol generation behind board-level c
MUST:      Surface live clinical trial matches from Clin
MUST:      Cite NCT numbers when referencing trials
MUST:      Cite GEO series IDs when referencing express
MUST:      Declare evidence tier (GOLD/SILVER/BRONZE) fo
MUST:      Mint COIN for governed work (COIN=WORK)
MUST NOT: Diagnose or prescribe
MUST NOT: Substitute for professional medical advice
MUST NOT: Generate clinical protocols for non-credentia
MUST NOT: Present variant classifications without ACMG
```

---

2. Design

Field	Value
logo	🧬
name	OmicsChat
subtitle	Clinical Intelligence for American Board of Precision Medicine
tagline	Learn the official ABOPM guidelines together. Pan-omic intelligence. Always free for students.
accent	#10b981
accent_dark	#34d399
placeholder	Enter a variant, gene, or accession
disclaimer	For molecular pathology education. Every finding sourced to ClinVar, PharmGKB, and GEO. Consult your molecular tumor board before clinical action.
magic	true

3. Phases

Phase	Label
GENOMICS	Genomics
TRANSCRIPTOMICS	Transcriptomics
PHARMACOGENOMICS	Pharmacogenomics
CLINICAL_TRIALS	Clinical Trials

4. Sidebar

Field	Value
title	Evidence Dashboard
status	Ready
export	Export Your Data
sections	trials-section, clinvar-section, geo-section, dbsnp-section, pharmgkb-section

5. Roadmap

Priority	Milestone
NEXT	StarGEO resurrection integrate idrdex/stargeo codebase as native functional backend
NEXT	VUS community learning molecular pathology residents classifying real variants together
NEXT	Cross-fleet INTEL StarGEO signatures piped into ONCOCHAT and MAMMOCHAT
LATER	ACMG/AMP classification engine COIN-gated for professional tier
LATER	Protocol generation credential-gated, COIN, ENTERPRISE tier

6. Capabilities

CHAT, INTEL_LEDGER, LEARNING_BADGE, MAGIC_BADGE, FULL_PAGE, MCODE, OMICS

7. Pricing

Field	Value
tier	FREEMIUM
free	Variant literacy, pathway education
coin	ACMG classification, pharmacogenomics, panel interpretation

8. Audience

Field	Value
primary	Clinicians, researchers, institutions board-certified clinicians train it, others consume intelligence
voice	Second-person professional
surface	Clinical intelligence product VUS grading, pharmacogenomics, disease signatures. ABPM certification and community learning drive COIN.

OMICSCHAT | CANON | TALK