Europe PMC Roadmap - July to September 2023

Mission: "To build open, full-text scientific literature resources and support innovation and discovery by engaging users, enabling contributors, and integrating related research outputs."

Europe PMC Objectives (2021-2026)	In progress	Next / On hold	Considering
High performance open access full text database and related services	• Upgrade of virtual machine infrastructure • Search improvements: add a visual timeline to the date filter; include articles with free full text links via Unpaywall in search filter • Upgrade Matomo web analytics tool • Migrate Europe PMC blog to a new platform • Migrate automated jobs to an open source scheduler (Slurm)	• Search improvements: investigate biomedical tokenisers to improve searching for terms that include hyphens (e.g. gene/protein names), testing redesign of advanced search with users;	
Development of emerging open publication workflows	• Ingest and display preprint peer review information from Sciety and Review Commons • Ingest protocols from Protocols.io • Ingest full text COVID-19 preprints from Authorea, Preprints.org, PsyArXiv and SciELO Preprints	• Ingest and display preprint peer review information from other providers • Ingest preprints from ScienceOpen Preprints	
Integrate publications with data, software, people, grants, institutions		• User research: discovering and accessing data and software underlying a publication	
Open community platform for machine learning & text mining	• Text mine RHEA, Cellosauraus, BioImage Archive and BRENDA accession numbers • Add Alphafold and RNAcentral annotations	• Display accession numbers and bioentities from supplementary files on article pages • Investigate adding machine learning component in text mining pipeline to remove false positives and include false negatives	
Support open science: reuse of content, links, semantic enrichment	• Review of data links policies, processes and quality: reviewing criteria for link providers and categorisations of data	• Improvements to increase the Europe PMC citation network (including preprint citations)	
Meet the needs of users and key stakeholder groups	• Publication describing Europe PMC developments to improve discoverability of life science preprints • NAR database publication: Europe PMC in 2023 • Planning preprint peer review metadata workshop	• 'How to make your research open with Europe PMC' webinar for researchers	

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Completed work - Quarter 2 April to June 2023

Europe PMC Objectives (2021-2026)

Released/completed Q2 April to June 2023

🟧 **High performance service, continuous improvements**

🟦 **Development of emerging open publication workflows**

🟪 **Integrate publications with data, software, people, grants, institutions**

- Review of data links policies, processes and quality: contacted external links providers to update links

🟩 **Open community platform for machine learning & text mining**

- Released an open source model: Accelerating Biomedical Named Entity Recognition with Quantised EPMCA Bioformer-8L (QEB8L) Model

🟥 **Support open science: reuse of content, links, semantic enrichment**

🟪 **Meet the needs of users and key stakeholder groups**

- Presentation of Europe PMC ROR integration into the grant data case study at the ROR Community Call
- Webinar for Europe PMC funders
- Against the Grain preprint peer review article: An Indexer's Perspective

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