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# Releases

Nested Knowledge uses Semantic Versioning for labelling releases. Major version bumps (e.g. 1.x.x to 2.x.x) typically signal that an existing workflow will break & all impacted users will be notified in advance. Minor & patch version bumps (e.g. x.x.1 to x.x.2) correspond to new features, iteration on an existing features, and/or bug fixes. Users typically need not pay attention to these changes to continue using NK as they did before (although they may be missing out on awesome new things)!

# 1.77

# 1.77.1 (2023-12-14)

#### **Bug Fixes**

- Proper copy of related report families
- Protected Synthesis Home inaccessible without login
- URI decoding for DOIs embedded in URLs

### 1.77.0 (2023-12-11)

#### **Features**

- Related reports improvements:
  - View applied tags of related reports during tagging
  - Exporting related report family with filters and column
- Filter Synthesis on study attributes

#### **Bug Fixes**

Better handling large and homogenous inputs in Smart Tagging

## 1.76

### 1.76.2 (2023-12-07)

#### **Bug Fixes**

- Full text viewer getting cut off
- Prevent whitespace addition to abstracts in bibliographic edit

## 1.76.1 (2023-12-06)

18:50

• KW/PICO highlighting in title as well as abstract

#### **Bug Fixes**

- Update Inspector columns immediately upon selection
- Handle duplicate (case-insensitive) tag names in sheet-per-root table export
- Flakey manual import from unpaywall

### 1.76.0 (2023-11-30)

#### **Features**

- Show Ref ID & Author/Year for all study display modes
- "Reviewed By" Screening Filters and Columns
- Snappier AL Home load in

#### **Bug Fixes**

- Avoid vertical overflow of all study display modes (FT & Supplement views)
- · Avoid cycle creation in tag merge of parent/child
- Occasionally incorrect paywall message on Nest creation
- · Login session disappears for certain error pages
- Exporting sheet names with special characters and other Excel-specific requirements

# 1.75

# 1.75.1 (2023-11-12)

#### **Features**

- Grouping questions to forms by root tags in FBT
- · Exporting tagging with columns grouped by root tag
- · Import documents via external id

#### **Bug Fixes**

- Exporting MA Extraction with >2 timepoints extracted in a data element
- Optimizations in templated tag management
- · Delay in org access upon accepting invite
- · Copying nest with created and emptied dashboard

### 1.75.0 (2023-11-03)

- Article Galaxy Integration
- Self-service pilot subscriptions

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- Free tier enforcement
  - Allow only 1 nest
  - Disallow addition of unsubscribed collaborators (individuals and organizations)

### **Bug Fixes**

- Affinity of nest activity counts, standard inspector filters, and queue progress bars for two pass screening modes
- Improved messaging for spotty internet connections and automated retries
- Enabling search in table builder tag column creation
- Only organizations a user is a member of may be added to nests
- Better messaging on enforcement of subscription quantity limits

# 1.74

# 1.74.0 (2023-10-31)

#### **Features**

- Tag and annotate supplemental materials
- Import literature searches directly from spreadsheets
- Use aliases in standard AB & FT tag recommendations
- Public Templates
- Template descriptions

#### **Bug Fixes**

- Update applied tag when prior tag contained table contents
- Correcting ClinicalTrials.gov linkout

# 1.73

### 1.73.3 (2023-10-13)

#### **Bug Fixes**

Allow Protected Synthesis without authentication on mobile

### 1.73.2 (2023-10-12)

- Related Reports in Inspector: Primary Report column and filter
- Duplicate Review and count shown in Literature Search
- FBT as the default tagging mode
- Pricing updates

### **Bug Fixes**

- Loss of UI controls when reordering exclusion reasons with a drop out of the table
- Changing nest organization owner occassionally results in 400

### 1.73.1 (2023-10-06)

### **Bug Fixes**

• Unable to import nest tag hierarchies into org templates

# 1.73.0 (2023-10-05)

#### **Features**

- Hierarchical exclusion reasons
- Ref ID-based data import
- · Resizable table columns in dashboard
- xlsx table builder exports
- Synthesis view counts for dashboard

### **Bug Fixes**

- Don't show org billing message when adding users to nest
- Proper filename for dashboard table download
- Removal of Mobile AutoLit
- FT Uploads do not count towards "Report Sought" in PRISMA 2020
- Proper overwrite behavior for tag import (no repeated applied tags)

# 1.72

## 1.72.4 (2023-10-02)

### **Bug Fixes**

Nest Copy with file attachments in Protocol

### 1.72.3 (2023-09-28)

#### **Features**

Ref ID export in Table Builder

### 1.72.2 (2023-09-26)

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#### **Bug Fixes**

- Exporting Table of: Tag in table builder
- Incorrect Unpaywall counts at end of bulk import
- · Unable to bibliomine articles containing duplicate references

### 1.72.1 (2023-09-22)

### **Bug Fixes**

• Authorization error in tag apply bulk action

### 1.72.0 (2023-09-21)

#### **Features**

- Table Contents in Export, Dashboard, and Manuscript table builder
  - Joins to export multiple tables
- Abstract-level tag recommendations
  - Standard
  - Smart (GPT-3.5)

#### **Bug Fixes**

- Incorrect inclusion/exclusion counts for Two Pass Screening on the Activity page
- Handle duplicate PMIDs/DOIs in Other Sources
- Swapping categorical data element category names
- · Avoiding large search deletion timeout

# 1.71

### 1.71.0 (2023-09-15)

#### **Features**

- Tracking organization membership history / audit
- Improved subscription management information
- 2009 PRISMA flow diagram support

- Display whitespacing in questions in Forms Based Tagging
- Swapping categorical data element category names
- · Avoiding large search deletion timeout

# 1.70

# 1.70.4 (2023-09-06)

#### **Features**

- Increase Smart Tag Recommendation study limit to 250
- Add title search to Related Report lookup

#### **Bug Fixes**

- Longer organization search bar in nest access
- Avoid display of deletion and rename options for nests on AutoLit home
- Disable QNS by default, to match Meta-Analytical Extraction default
- Improved robustness of Smart Tag Recommendations: concurrent runs and long PDFs
- Remove line numbers from query editor in Literature Search creation
- Detach PubMed API dependency from Literature Search creation in event of outage
- Study Focus modal and Dashboard card sizing & overflow behavior
- Increased request timeout for higher latency internet connections

## 1.70.3 (2023-09-03)

#### **Bug Fixes**

Keeping a manually marked duplicate from the duplicate queue

### 1.70.2 (2023-08-30)

### **Bug Fixes**

- Sheet import fails with duplicate partial DOIs
- Overflow scrolling in updatable tables
- Rendering 0 counts in Nest Activity consistently
- Missing publication dates appearing as epoch time in updatable tables
- Table contents edits being dropped in FBT when focus changes or table reconfigured
- Hiding nest owner email from Synthesis
- Security patches

### 1.70.1 (2023-08-21)

#### **Bug Fixes**

· Unable to turn on Robot Screener

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## 1.70.0 (2023-08-16)

#### **Features**

- Synthesis Dashboard
- Synthesis shareable by QR Code
- Autolit menu layout update
- Progress queue query reduction for improved scaling
- Bulk action: accept all smart tag recommendations
- ROBINS I added to CA

# 1.69

### 1.69.4 (2023-08-15)

#### **Bug Fixes**

• Unable to select tags in Protected QLS

# 1.69.3 (2023-08-08)

#### **Features**

- Blinding settings:
  - Revealing reviewer names in adjudication modules
  - Hide comments in all modules
  - Hide tagging during screening

#### **Bug Fixes**

- Finalizing searches from Search Exploration
- Mobile AL home

# 1.69.2 (2023-08-01)

#### **Features**

- Smart tagging improvements:
  - Process more of the full text
  - Better handling of partial results from GPT
  - Improved link-back to the full text PDF
- Import book chapters from PubMed

- Allow editing of custom tables with deleted tags in manuscript
- Properly import records with rich text keywords from PubMed

- 18:50
  - Allow deletion of the last exclusion reason in a nest
  - · Nest Abstract not displaying in Synthesis

# 1.69.1 (2023-07-26)

### **Bug Fixes**

• AL Home not loading on refresh with Organization scoping selected

# 1.69.0 (2023-07-25)

#### **Features**

- Improved error, authentication, and authorization pages
- Inspector additions:
  - Bibliographic keyword filter
  - Full citation column (JAMA)
  - Author list column

# 1.68

### 1.68.3 (2023-07-18)

#### **Bug Fixes**

• Deletion of extremely long concepts in Search Exploration

### 1.68.2 (2023-07-13)

#### **Features**

• CER Demo Nest

### **Bug Fixes**

• Bulk bibliographic sync for missing and invalid identifiers

### 1.68.1 (2023-07-12)

### **Bug Fixes**

Awaiting Screening linkout broken from Nest Activity page

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## 1.68.0 (2023-07-11)

#### **Features**

- Smart Tag Recommendations
  - Tag Recommendations in Form Based Tagging
- Revamped Nest Activity page (formerly Dashboard)
- Duplicate Queue download

#### **Bug Fixes**

- Properly order tag contents columns in Inspector exports
- Match order of screening reviewers in Inspector exports and adjudication pages
- Tag import in nest with 0 prior tags
- Improvements to mobile UX and layout

# 1.67

### 1.67.0 (2023-06-26)

#### **Features**

- Rename "Extraction" to "Meta-Analytical Extraction" module
  - Default off for new nests

#### **Bug Fixes**

- Allow multiple period characters in file names for bulk PDF upload
- Robot Screener not consistently entering screening decisions for Dual Two Pass nests
- RIS imports with exceptionally long KWs failing

# 1.66

### 1.66.3 (2023-06-15)

#### **Bug Fixes**

• Improper Medline date parsing for PubMed searches

### 1.66.2 (2023-06-14)

- Import electronic publication date for records coming from eCollections in PubMed searches
- List number of users on Org Admin
- Improved error logging and tracking

### **Bug Fixes**

- Incorrect Last Accessed date for folders without a nest access on AutoLit Home
- Make query field optional for file-based search imports
- Remove Allocation from Study Inspector Bulk Actions listing
- Add exclusion reasons on the fly broken for standard screening
- Handle concepts with trailing spaces in Search Exploration

### 1.66.1 (2023-06-07)

#### **Bug Fixes**

- Standard tagging page crashing on load
- Miniature demo creation button icons

### 1.66.0 (2023-06-06)

#### **Features**

- Ref IDs
  - Filter & Column in Inspector & Allocation Inspector
  - Matching for bulk document import
  - Exported in RIS
- Supplemental materials bulk import
- Bulk document deletion
  - Full Text
  - Supplemental Materials
- Improved email reporting of bulk import results
- New HTA demo nest

### **Bug Fixes**

- Improved, one-click layout changes when AutoLit panels are at minimum and maxmimum extent
- Unable to disable Critical Appraisal in Synthesis
- Improper ordering of tag contents columns in tag configuration preview

# 1.65

## 1.65.2 (2023-05-31)

#### **Features**

Toggle between Sunburst and Hierarchy in embedded QLS

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- Add extra publication date fields to RIS files (PY, Y1)
- Disable double click deletion of searches
- Disable creation of searches with empty queries

### 1.65.1 (2023-05-27)

### **Bug Fixes**

- Inspector Full Text filter on specific source
- Bulk FT import failing when one or more PDFs are encrypted
- EuropePMC searches failing when records have null keywords

# 1.65.0 (2023-05-24)

#### **Features**

- Generalizing Risk of Bias module to Critical Appraisal
- Adding Newcastle-Ottawa Scale for Critical Appraisal
- New bibliographic Inspector columns: volume, issue, pages, and NCT ID

#### **Bug Fixes**

- · Unable to add columns to tables of tags in Manuscript
- · Added explanation of dangerous admin settings

# 1.64

### 1.64.0 (2023-05-22)

#### **Features**

Bigger and faster bulk full text upload and matching

## 1.63

### 1.63.0 (2023-05-17)

- Screening Model Improvements:
  - OpenAl embeddings
  - Scite tallies
  - Oversampling
- · Advancement probability for two pass screening
- Robot Screener for abstract screening

# 1.62

## 1.62.3 (2023-05-15)

### **Bug Fixes**

- Deprioritize Robot Screener in Auto-Adjudication
- Numerical instability in QNS NMA for multi-arm studies with similar standard errors
- Relaxed PDF upload validations
- FT Blinding reappearing upon PDF upload

# 1.62.2 (2023-04-25)

#### **Bug Fixes**

 Queues and progress bars for dual two pass screening properly handle switches between screening modes and off-workflow actions in inspector

### 1.62.1 (2023-04-25)

#### **Bug Fixes**

- Correct font not appearing on all clients
- API search not executing through Literature Search UI
- Unable to view duplicate review bibliographic data

### 1.62.0 (2023-04-24)

#### **Features**

Allocation

#### **Bug Fixes**

- Database security patches
- Number of reviewers displayed for dual standard screening

# 1.61

### 1.61.0 (2023-04-22)

#### **Features**

User specified ordering of exclusion reasons

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- Color coding user keywords
- Form Based Tagging question search & status indicator
- Display number of prior reviewers for dual screening modes
- Sticky AB/FT view in Inspector
- Font change

#### **Bug Fixes**

- Configuring Synthesis Access is laggy
- Tag import option is obscured by visual
- Double whitespacing in certain PDF annotations

# 1.60

### 1.60.3 (2023-04-04)

### **Bug Fixes**

- Downloading CSVs from QLS with protected Synthesis
- Added CSP
- Added HSTS

# 1.60.2 (2023-03-29)

### **Bug Fixes**

- Redirect to new nest upon creation
- Search exploration n-grams functionality returned

### 1.60.1 (2023-03-28)

#### **Features**

- Blinding of full text status for dual screening modes
- Convert doc(x) study supplements to viewable PDFs on upload
- Hover text for sunburst is directly over the label
- Share button on QLS-specfic embeds

#### **Bug Fixes**

- Don't show 0 unscreened record counts in PRISMA diagram
- Site-wide load time improvements

## 1.60.0 (2023-03-19)

• Tag Table Contents

#### **Bug Fixes**

• Remove module completion selector from sequential module queues

# 1.59

### 1.59.1 (2023-03-13)

### **Bug Fixes**

• Updating tagging completion status for single records

# 1.59.0 (2023-03-13)

#### **Features**

- Mark modules complete for individual records from Inspector
- Continuously adjustable module box widths (Screening, Tagging, Extraction, RoB)
- Export Comments from Inspector
- Jump to records in Inspector from Literature Search

## **Bug Fixes**

- Create tags in-process for Form Based Tagging
- PDF annotation breaking for certain PDFs (UTF-8 null characters)

# 1.58

### 1.58.4 (2023-03-01)

#### **Bug Fixes**

Tag selection menu not properly closing in Form Based Tagging

# 1.58.3 (2023-02-28)

- Reorder tags
- Avoid orphaning tags on merge and delete

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#### **Bug Fixes**

- Improved visualization of overlapped tags in large hierarchies
- Sheet based search import method showing API

## 1.58.2 (2023-02-18)

#### **Features**

- Export studies and tags from QLS
- Inspector filter for Tag Contents
- Reorder columns in Table Builder export

### **Bug Fixes**

- Clarifying Insight Embed UI
- · Highlighting the hovered root tag in tag config

### 1.58.1 (2023-02-14)

#### **Features**

Sync updated bibliographic data: per-record and bulk action

#### **Bug Fixes**

- Broken RoB Visuals
- Tag config styling problems

### 1.58.0 (2023-02-06)

#### **Features**

- Hiding tags on Synthesis
- Updated tag hierarchy visualization in AutoLit
- Export through Inspector
  - Moved Extraction and RoB from Export page
  - Added Screening & Tagging export
- Organizational owner may receive emails on public Synthesis change

#### **Bug Fixes**

Bypassing invalid DOIs in sheet-based literature search import

# 1.57

## 1.57.1 (2023-01-25)

#### **Bug Fixes**

- Form Based Tagging dropping excerpt on any click
- Improved arm creation, read-only cells, and status marking in Dual Extraction Adjudication
- Making overflow of concepts scrollable in Search Exploration

### 1.57.0 (2023-01-20)

#### **Features**

- Abstract annotation for tagging
- Import lit searches as spreadsheets of PMID/DOI

### **Bug Fixes**

- Update PICO highlighting when abstract is edited
- Correcting IRR counts (exclude/exclude counted as include/include)

# 1.56

### 1.56.0 (2023-01-15)

#### **Features**

Organizational Folders on AutoLit home

#### **Bug Fixes**

- Improved layout of floating elements in QLS & embeds
- Tag tip positioning in extraction is consistently visible

### 1.55

### 1.55.0 (2023-01-04)

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#### **Features**

- Nest Backup
- Return of the QLS Dendrogram

### **Bug Fixes**

- Truncating display of long nest names
- Incorrectly positioned tool tips on PDF viewer
- FT Import volume issues
- Log in / Sign in wording consistency

# 1.54

## 1.54.0 (2022-12-26)

#### **Features**

Search Exploration v4, featuring concept generalization & improved workflow

### **Bug Fixes**

• Negations in tag queries against all studies, not just studies with 1 or more tags

# 1.53

## 1.53.4 (2022-12-20)

#### **Bug Fixes**

• Full text search performance improvements

## 1.53.3 (2022-12-14)

### **Bug Fixes**

• Support long API-based queries (>8k characters)

# 1.53.2 (2022-12-11)

### **Bug Fixes**

- · Scrolling issues in Form-based Tagging
- Increased timeout on a number of requests
- · Auto-refreshing background jobs table

# 1.53.1 (2022-12-07)

### **Bug Fixes**

• Manual FT import broken; improperly attributing source of the file

# 1.53.0 (2022-12-07)

#### **Features**

- Bulk import of Full Text PDFs with auto-matching
- Background job (searches, FT matching, model training) status tracking
- Performance improvements to FT import

# 1.52

### 1.52.0 (2022-11-29)

#### **Features**

- Restyle of QNS and zoom out
- Consistent scroll bars returned to the site

### **Bug Fixes**

- Recurring searches causing server overload
- Overflow on nest home

# 1.51

### 1.51.1 (2022-11-20)

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- Import of tagging data with invalid UTF-8 characters
- · Nests not sticking in folders on AutoLit home

## 1.51.0 (2022-11-15)

#### **Features**

- Folder organization of nests on AutoLit
- Heterogeneity statistics on QNS
- Funnel plots on QNS

### **Bug Fixes**

- Radio button style/a11y improvements
- Maintain Inspector filters when responsively switching modes

# 1.50

# 1.50.2 (2022-11-08)

### **Bug Fixes**

• PRISMA diagram showing 0 counts for all categories

### 1.50.1 (2022-11-06)

#### **Features**

• Import previously gathered screening, tagging from sheets

# 1.50.0 (2022-11-03)

#### **Features**

• Protected Synthesis

- Bulk Full Text downloads properly unnzipping on windows
- Increase in Manuscript reference list font size (accessibility)

# 1.49

# 1.49.2 (2022-10-28)

#### **Bug Fixes**

- DOAJ Updates
  - Correct newlines & other whitespace problems in searches
  - Truncate searches to top 1000 records, per DOAJ limit
  - Added DOAJ documentation for search creation

## 1.49.1 (2022-10-25)

#### **Bug Fixes**

- Tag edit opening after saving Data Elements
- Tag question type not saving upon tag creation
- Typos/improved descriptions for FBT

### 1.49.0 (2022-10-23)

#### **Features**

- · Form-based Tagging
- Improvements to related reports, Synthesis author ordering UX

### **Bug Fixes**

- Allowing text selection in study abstract
- Added nest materials to nest copy

## 1.48

### 1.48.0 (2022-10-13)

- Expert recommendation by bulk PDF upload (bibliographic data mined + FT attached)
- Nest Copy includes complete data (most notably Manuscript, Insights)
- Reworked layout for AutoLit Menu & Nest Home
  - User-level setting are inlined to respective modules

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- Protocol is edited on Nest Home directly
- One Study Inspector link

# 1.47

### 1.47.1 (2022-10-05)

#### **Features**

- Embed/share all Synthesis types
- Display Synthesis authors with abstract
  - Improved author ordering UI
- Capability to share Synthesis for a private nest
- Improved placeholders & directives for building Synthesis when empty

#### **Bug Fixes**

- Tag import message for nests without an organizational owner
- Proper edit icon color for exclusion reason configuration

# 1.47.0 (2022-09-30)

#### **Features**

Dual Two Pass Screening

#### **Bug Fixes**

- Proper layout in organizational tag template import
- · Unscreening option in inspector typeahead

# 1.46

### 1.46.3 (2022-09-22)

#### **Features**

Supporting Annual Subscriptions

18:50

• Full text import Bulk Action modal not closing on completion

# 1.46.2 (2022-09-20)

#### **Features**

- Improved Bulk Actions UI
- New Bulk Actions
  - Mark Full Text Review
  - Reviewer-level control over dual mode decisions
- · Better wiki linking for file-based search import

### **Bug Fixes**

- Proper labelling of screening form for dual screening
- Checkbox-based selection of RoB Data Elements

## 1.46.1 (2022-09-14)

#### **Features**

- Added comments to RoB export
- Improved ally labels in Synthesis

#### **Bug Fixes**

- Disabling selection of empty exclusion reasons
- Enabling button-based addition of user-keywords

### 1.46.0 (2022-09-09)

#### **Features**

- Synthesis home restyle and updates
- New Synthesis embeds
  - Full Synthesis
  - All pages (QNS, PRISMA, RoB, Manuscript) embeddable

## 1.45

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## 1.45.2 (2022-09-08)

#### **Features**

- New, distinct Sign Up page
  - Gather agreement to terms and user name in advance of credentials
- Bibliomining upgrades
  - 5-10x speed improvements with to improved CrossRef guerying
  - Maintaining order of references from bibliography

# 1.45.1 (2022-08-29)

#### **Features**

Tagging Recommendations

#### **Bug Fixes**

- Screening form UI improvements
  - Hover focus on exclusion reasons
  - Removed jitter when iterating records
- More precise wording of several Inspector filters
- Removed support for TLS 1.0 & 1.1
- DMARC support via DKIM/SPF: more robust email

### 1.45.0 (2022-08-24)

#### **Features**

- Insights on Synthesis
- One click exclusions
- · Edit nest & study level comments

# 1.44

### 1.44.1 (2022-08-19)

- Improved tag export options
  - "Exact" tag export
  - Adding all (exact) tags as columns
- Indicating tagged interventions in Extraction

18:50

• Consistent color schemes within Extraction

# 1.44.0 (2022-08-13)

#### **Features**

- Mark duplicate records manually
- · Maintain multiple, related reports of a study
- Bibliomine from ClinicalTrials.gov using NCT ID

# 1.43

### 1.43.5 (2022-08-12)

#### **Features**

 Site-wide UI improvements, especially focused on a11y, improved contrast, and reduced color distraction

#### **Bug Fixes**

Fixing RoboPICO backfill for large searches

## 1.43.4 (2022-08-10)

#### **Bug Fixes**

• Corrected broken links in emails from mentions in nest-level comments

### 1.43.3 (2022-08-08)

#### **Features**

- Tagging closed by default for non-tagging modules
- Ability to enter discount codes and tax ids at subscription checkout

- Faster import of large searches (RoboPICOs are backfilled when > 500 records imported)
- Preventing duplicate reviewer-level dual screening decisions
- · No sizing jitter for Full Text PDF viewer

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• Preferring Support page linkout over support@ mailto link

## 1.43.2 (2022-07-27)

#### **Features**

- scite.ai integration: citation badges
- Duplicate information in CER Builder

# 1.43.1 (2022-07-26)

### **Bug fixes**

• Display applied tags with no associated user (e.g. bulk actions, user account deleted) in AutoLit

# 1.43.0 (2022-07-25)

#### **Features**

- Robot Screener
- External ID in Table Builder
- Taxes included in Stripe checkout

### **Bug fixes**

- Performance improvement in Table Builder and Manuscript editor
- · Removing jitter in tooltip display

### 1.42

### 1.42.0 (2022-07-18)

- ClinicalTrials.gov integration
  - NCT Number added as a bibliographic field
- Europe PMC integration
- Query writing guidance for integrated databases
- Improved Qualitative Synthesis zoom mode
- Site-wide improvement of scrollbar appearance (especially on Windows platform)
- Adding time value & units to extraction export
- Export of categorical Data Elements in table builder
- Last modified time & user for tags & RoB forms

18:50

• Embase ID columns & filters in inspector

### **Bug fixes**

- Treating .txt as RIS in file-based search upload
- Explicit allowed file types in search upload
- Color correction of tabs in extraction configuration

# 1.41

# 1.41.3 (2022-07-09)

### **Bug Fixes**

• PMC ID filter in Study Inspector properly executes, and handles non-numeric inputs

# 1.41.2 (2022-07-07)

#### **Features**

• Making nest keywords editable from Screening Configuration

#### **Bug Fixes**

- Import full affiliation for EMBASE RIS imports
- Study inspector sorting all records even when top 100 are displayed
- Adding back progress bar for Screening Adjudication
- · Corrected PRISMA report/record wording
- Properly display public Synthesis for non-logged-in users

### 1.41.1 (2022-07-04)

#### **Features**

• CER Builder

# 1.41.0 (2022-07-04)

#### **Features**

Dual Extraction

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### 1.40

## 1.40.2 (2022-07-01)

#### **Features**

- Full Text Search in Inspector
- Reduced dependency on DOI in deduplication (specifically, solving conference abstracts)

### **Bug Fixes**

- No redirect to AutoLit Home upon login from originally requested page, unless on at landing page
- User Keywords do not appear editable from Synthesis

## 1.40.1 (2022-06-25)

#### **Features**

- Custom Search Engines
- Unscreening
- Download bibliomined PDFs
- · About link in navbar

#### **Bug Fixes**

- Importing full author affiliations from RIS files
- Searching user name, in addition to email, in user mentions

### 1.40.0 (2022-06-20)

#### **Features**

- Two pass screening (separate screening queues for title/abstract & full text)
- · Author affiliation search filter in inspector
- Full text review filter in inspector

- Improved inspector performance for very large (>10k records) nests
- Navigate to next record in dual screening adjudication when overriding determination
- · Increase in abstract text line height

# 1.39

### 1.39.0 (2022-06-13)

#### **Features**

- Manage subscriptions & payment on the site, on an individual & organizational basis
- Modify bibliographic data directly on Add Individual References
- New Search Engines
- PDF Annotations included in tag merge

#### **Bug Fixes**

- Supporting lit search vennn diagrams for very large nests
- Correct intersection of multiple literature search filters on Inspector

# 1.38

## 1.38.2 (2022-06-01)

### **Bug Fixes**

- · Nest deletion button disabled for non-admins
- Increased upload timeout on large files
- · Nest invite email corrections

### 1.38.1 (2022-05-30)

#### **Features**

• Displaying size of search venn diagram pieces

#### **Bug Fixes**

- Faster upload and processing of large (5000+ records) file-based ris/nbib imports
- Consistent PICO predictions upon upload
  - Backfill for all records without PICO predictions

### 1.38.0 (2022-05-25)

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#### **Features**

- User Invites
  - Adding users to nests & organizations now requires a complete email (privacy measure)
  - o Invited user receives an email & an option to accept or decline the invite
  - Org admins receive email from users requesting to join their org
  - Emails without an account may inherit their invited permissions upon account creation
- Full citation export in tables
- Tag description made available in tagging
- Auto-selection of exclusion reasons upon on-the-fly creation

#### **Bug Fixes**

- Loading a mentioned study when not logged in no longer covers the login button
- Supporting PubMed queries over 4,000 characters long

# 1.37

### 1.37.1 (2022-05-19)

#### **Features**

- Duplicate Queue Improvements:
  - Ability to clear the queue, dropping or keeping all records for screening
  - Displaying number of duplicate records

#### **Bug Fixes**

- Proper attribution of triplicate+ records in the Duplicate Queue
- Defaulting data extraction configuration mode to Data Elements (no hot click to reassign intervention root)
- · Defaulting file-based import dates

### 1.37.0 (2022-05-12)

- Full suite of PDF functions
  - Rotate
  - ∘ Zoom
  - Download
  - Delete
- Improved switching between reviewer-level ("You") and adjudicating screening modes in dualconfigured nests

- New home page
- New support page

### **Bug Fixes**

Improved display of extraction on horizontally constrained data elements

# 1.36

# 1.36.0 (2022-05-05)

#### **Features**

- Differentiaing inspector screening status for nests with dual screening configured in:
  - filters
  - column options
- · Ability to filter to specific bibliomined files in inspector

#### **Bug Fixes**

• Properly deleting bibliomine attempts

# 1.35

# 1.35.3 (2022-05-02)

### **Bug Fixes**

- Synthesis RoB visuals only display included studies
- Synthesis RoB visuals only display domains where risk is relevant

### 1.35.2 (2022-04-29)

#### **Features**

• Preparation for new PubMed API (achieveing parity with PubMed web ~June 2022)

- · Allowing tagging with an initially empty hierarchy
- Truncating overflowing PICO pills in Search Exploration

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Allowing deletion of tags corresponding to the configured intervention root

## 1.35.1 (2022-04-21)

# **Bug Fixes**

- Display a login prompt when visiting AutoLit home not logged in
- Properly handling email preferences from account management
- Reduced app size

# 1.35.0 (2022-04-20)

#### **Features**

- Extraction improvements:
  - Transitioned from study-level timepoints to data element-level timepoints
  - Ability to extract arbitrary many more timepoints than just Baseline/Outcome timepoints
  - Variable units in timepoint specification
  - o Displaying continuous data element units in central tendency header
  - One-click metric deletion
- Tag export
- New site navbar
- Improved language around tag deletion

# 1.34

# 1.34.0 (2022-04-12)

#### **Features**

- Merge & edit bibliographic fields in duplication review
- New "plain" cursor mode in PDF viewer
- Improved labeling and ordering of comments & mentions
- Updates to citation string format

#### **Bug Fixes**

• Clearing an annotation in the PDF viewer clears any excerpt text as well

## 1.33

### 1.33.5 (2022-04-10)

### **Bug Fixes**

• Timezone attached to publication dates causing incorrect bibliographic details

### 1.33.4 (2022-04-06)

#### **Bug Fixes**

- Retain tag descriptions in tag template creation & import
- Fix sporadic crashes of PDF Viewer for large files
- Fix tag selection drop jittering on vertically constrained pages

### 1.33.3 (2022-03-31)

### **Bug Fixes**

Bibliographic data editing fixes - PMID & publication dates < 1970</li>

# 1.33.2 (2022-03-30)

#### **Features**

- Exploded tag searching in Inspector
- New user improvements:
  - Account management updates
  - Guided nest creation wording & UX
  - New nest tips auto-open
- Added pricing info to free tier paywall

### 1.33.1 (2022-03-28)

#### **Features**

• Notes for literature searches

### **Bug Fixes**

• Remove "Full Text" linkouts from rich text citation strings when DOI is not present for record

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## 1.33.0 (2022-03-25)

#### **Features**

- Templated Nest Protocols
- Copy record-level rich text citations to clipboard
- Run searches immediately upon creation

#### **Bug Fixes**

Missing spaces in some PDF tagging selections

# 1.32

## 1.32.2 (2022-03-22)

#### **Features**

- Enabling larger searches (up to 10k records)
- Emails for new user accounts

#### **Bug Fixes**

- Broken PMC linkout
- Author first/last name ordering in exports
- Clearer language for email verification
- Syncing NK email preferences with release & marketing email preferences

## 1.32.1 (2022-03-20)

### **Bug Fixes**

- Tag deletion restored
- Do not attempt scroll-to in Extraction when DE tag is not applied
- Deduplicating references within bibliomining attempts

# 1.32.0 (2022-03-13)

- AutoLit Tips
- Tag Templating at the Organization level

- 18:50
  - Automatic retraining of Inclusion Models
  - Ability to hide Inclusion Predictions (while maintaining ordering)
  - Perputation of Org Admin status to Nests

#### **Bug Fixes**

- Properly displaying bibliomine attempts in Inspector Literature Search Filter
- Improved guidance for Inspector typeahead

# 1.31

### 1.31.1 (2022-03-04)

### **Bug Fixes**

• Search deletion crashing when studies in duplicate queue

### 1.31.0 (2022-03-03)

#### **Features**

- Organization Management
  - User listing
  - Nest listing
  - Exclusion Reason Templates
- Exclusion reason import
- Persisting comment edits in AutoLit across page navigation & reloads

#### **Bug Fixes**

• Sorting within pinned nests on AutoLit Home

## 1.30

### 1.30.2 (2022-03-02)

- Site-wide improvements in page load times
- Re-enabling copy to clipboard in PDF viewer

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## 1.30.1 (2022-02-21)

#### **Features**

Scroll-to annotated tags in extraction

#### **Bug Fixes**

- Replace missing icons in Inspector
- Nest Home tabbing display issues

# 1.30.0 (2022-02-14)

#### **Features**

- PDF Annotation-based Tagging
- Within PDF searching
- Nest Demos & Initialization for new users
- Predicted Search sizes

### **Bug Fixes**

- Differentiating sign in & sign up links
- Tagged DE excerpt orientation
- Reduced client app size (faster loads)

# 1.29

## 1.29.0 (2022-02-10)

#### **Features**

- New Inspector Filters
  - Comments
  - Data Elements
  - Interventions
  - Other bibliographic data
- Titling manuscript and protocol downloads with the nest name
- Persisting inspector filters

#### **Bug Fixes**

Tagging form reset on study iteration

- 18:50
  - Displaying a user icon for users without a profile image
  - Cannot enter N=0 in extraction for dichotomous metrics
  - · Full text export zipping for windows

# 1.28

# 1.28.0 (2022-01-31)

#### **Features**

- Tags suggest Data Elements for Extraction
- Copying comments on Nest copy
- Apply tag after on-the-fly creation
- Democratizing certain nest settings, notably:
  - Protocol editor
  - User keywords
- Editor stlying updates

#### **Bug Fixes**

- Dashboard scrolling
- Vulnerability patches

# 1.27

## 1.27.0 (2022-01-21)

#### **Features**

- Exploration visuals in inspector
- Bibliomining from PDFs
- Bulk expert recommendation from multiple identifiers
- Bulk Full Text & Supplemental material export
- Direct Google Scholar link out
- PMID parsing from mixed text RIS fields

- · Dashboard hover text overflow
- Improved Safari compatibility
- Leaking key listener breaking arrow navigation

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# 1.26

## 1.26.0 (2022-01-10)

#### **Features**

- Quantitative Synthesis updates
  - Random/fixed effects toggle
  - Plots of univariate & marginal distribution
  - Appropriate axis/coloring scaling/transformations
  - Styling improvements to fit wider site
  - Responsive/Mobile
- RIS export from Inspector
- Apply tags from extracted Data Elements using a Bulk Action
- View and edit external ID from bibliographic data

### **Bug Fixes**

- Network diagram inaccuracies
- Ability to completely clear an exclusion reason name

# 1.25

# 1.25.2 (2022-01-05)

#### **Features**

- Enter key to apply tags
- Client side error logging
- Updated privacy policy

#### **Bug Fixes**

SIGN RoB display

#### 1.25.1 (2021-12-22)

- JBI repeated question (case seres), and missing question (quasi-experimental & cohort)
- No caching login credentials following account deletion

### 1.25.0 (2021-12-21)

#### **Features**

- · Account deletion
- Numbered citation export in Manuscript

### **Bug Fixes**

• JBI case series RoB form

# 1.24

# 1.24.3 (2021-12-17)

#### **Bug Fixes**

• Tag DE merge messaging correction

# 1.24.2 (2021-12-15)

#### **Features**

- Bulk action history + screening undo
- Ordering Exclusion Reasons by frequency

### **Bug Fixes**

- Citation copy/paste
- Tag, DE, and intervention merging
- Pooling means with 0 SD in updatable tables

## 1.24.1 (2021-12-10)

- Sticky AutoLit Menu (no more hover)
- Directed Wiki links from AutoLit
- Default Inspector filters
- Improved home page
- General AutoLit style assimilation

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### **Bug Fixes**

- Inspector RoB filtering crashes when no RoB configured
- RoB typeahead high risk filter correctly filters to high risk

## 1.24.0 (2021-12-07)

#### **Features**

- Risk of Bias forms, Inspector filtering, export, Synthesis (domain distributions & traffic light). Cochrane RoB 2, JBI, and SIGN.
- Exporting study size in table export

# 1.23

# 1.23.0 (2021-12-03)

#### **Features**

Mobile AutoLit!

### **Bug Fixes**

- QNS Summary Table empty when only 1 intervention
- Various Search Exploration navigation

# 1.22

## 1.22.0 (2021-11-29)

#### **Features**

• Query Builder

- Disappearing Mention Selection
- "null" displaying for empty last names in user search

# 1.21

## 1.21.1 (2021-11-18)

### **Bug Fixes**

Inspector module switcher not present on tagging and extraction.

# 1.21.0 (2021-11-17)

#### **Features**

- Study supplemental materials
- Nest Materials
- QLS excerpt highlighting
- Inspector improvements
  - Updating screening decision does not close study detail
  - Author search typeahead
- User KW highlighting scheme improvements
- Typing '@' in comment box auto-opens mentions

### **Bug Fixes**

- Proper error message when ID of expert recommendation cannot be found
- Handling unpaywall returning a link to non-PDF content types (most commonly due to DDoS protection measures)

# 1.20

# 1.20.1 (2021-11-08)

- AutoLit landing page improvements:
  - ∘ Search first ~100 words of protocol from AL home
  - Sort columns
  - Display number of records in each nest
- Grouped PICOs displayed as individual pills when PICO collector is collapsed in Search Exploration

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#### **Bug Fixes**

- · Comment deletion option only displays to owner
- When unpaywall is down, full-text tab no longer crashes
- Site-wide CSRF protections
- Various style fixes, especially around overflow behavior in AutoLit

# 1.20.0 (2021-10-25)

#### **Features**

- Updated Search Exploration workflow
  - Research question specification on nest creation
    - Auto tag creation, keyword creation
  - PICO exploration
- Restyled Literature Search, with added features:
  - Fuzzy term intersections displayed
  - Displaying number of total & included records being deleted when searches are deleted

## **Bug Fixes**

• Unfocusing gathered tag upon deletion

# 1.19

# 1.19.1 (2021-10-20)

#### **Bug Fixes**

On the fly tag creation no longer causing crashes

# 1.19.0 (2021-10-19)

#### **Features**

- Email notification on mention in comments
- Editing gathered tags

- Study Inspector cursor refocusing
- Protocol download filename
- Improved behavior of Data Element configuration overflow

18:50

Ability to add an author when none are present

# 1.18

# 1.18.1 (2021-10-10)

#### **Bug Fixes**

• Records without authors were causing crashes in screening, tagging, and extraction

# 1.18.0 (2021-10-08)

#### **Features**

- Synthesis components may be embedded on external sites
- Citations to included studies may be added in Manuscript
- Inclusion probability predictions as a column & sort in Study Inspector

### **Bug Fixes**

- Comments with multiple mentioned users are no longer repeated multiple times in "All Mentions" on Nest Home
- When merging tags that are interventions, study arms of the source intervention are updated to the target intervention

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