

# 1 Progress reports

Last update: 20230707

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		Year 1												Year 2												Year 3												Extra				
		2022								2023								2024								2025																
		September	Oct	Nov	Dec	Jan	Feb	March	April	May	Jun	July	Aug	Sept	October	November	Dec	Jan	Feb	Mar	Apr	May	Jun	July	August	Sept	Oct	Nov	December	Jan	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10
WP3 Lighthouse Project																																										
3.1	Protocol & ethics (submitted 21.02.2022, BASEC 2022-00351)	Ethics approved, agreements in place																																								
3.2	Phase 2: Patient selection (n=250) and multi-omics generation	Multi-omics done in n=250 patients																																								
	Integration omics data through ML	ML workflow ready to for validation																																								
3.3	Recruitment plan Phase 3	n=70 (50%) recruited																																								
	Multi-omics analyses in Phase 3	n=140 (100%) recruited																																								
	Validation multi-omics workflow	Multi-omics analyses done in n=140																																								
	Validation multi-omics workflow	Validation & final analyses completed																																								
3.4	Summary Report of Lighthouse Project	Report & manuscript submitted																																								
	Bioinformatics Pipelines	Access complete, Testing on BioMedIT, Data transfers.																																								
		Pipeline validation in Fellay lab																																								

## 1.1 Month: 202307 (start date)

### 1.1.1 Complete

- SIB security training
  - Responsible use of health data
  - Responsible Use of BioMedIT
- UZH VPN via Kispi
- BioMedIT server access complete:
  - project: MOMIC, node: sciCOREmed (scicore), University of Basel
  - project: Trans-omic analysis, node: Leonhard Med, Scientific IT Services (SIS), ETH Zurich
- Editor environment:
  - scicore - done
  - LeoMed - in progress
- Decision on code management
- Decision on containerisation
- completion of SPSS exome paper
- WES pipeline package for BioMedIT

### 1.1.2 Planned

- repository imports

- reference database test
- slurm sbatch test
- gitlab test
- snakemake test
- conda/mamba test
- ssh from kispi hardware
- meetings with collaborating groups

Project start: 20230701

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## 1.2 Month: 202306 (pre-start date)

- SIB course on Enrichment Analysis (June 23).
- SPHN DCC workshop on concept development.
- Concept development examples of needs and reference to models: <https://swisspedhealth-pipelinedev.github.io/docs/pages/concepts.html>
- PipeDev - first design doc started: [https://swisspedhealth-pipelinedev.github.io/docs/pages/design\\_doc/dna\\_germline\\_short.html](https://swisspedhealth-pipelinedev.github.io/docs/pages/design_doc/dna_germline_short.html)

## 1.3 Month: 202305 (pre-start date)

- PipeDev - documentation website v1 live: <https://swisspedhealth-pipelinedev.github.io/docs/pages/variables.html>
- PipeDev - data sources database started: [https://swisspedhealth-pipelinedev.github.io/docs/pages/annotation\\_table](https://swisspedhealth-pipelinedev.github.io/docs/pages/annotation_table)
- PipeDev - styles defined
- PipeDev - presentation slides

## 1.4 Month: All older (pre-start date)

- PipeDev - general plan slides: <https://swisspedhealth-pipelinedev.github.io/docs/pages/present/presentations.html>
  - PipeDev - git organisation reserved for publications: <https://github.com/SwissPedHealth-PipelineDev>
  - PipeDev - git repo started
  - SwissPedHealth - website demo v2
  - SwissPedHealth - website demo v1
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