OWKIN

CONTEXT

- AI applications in the pharmaceutical industry : lot of hype, but limited results

- Access to real-world data can be challenging for biopharmas

- Healthcare institutions want to monetise their data while respecting patient privacy

OWKIN WHO WE ARE

- International, multidisciplinary team talented in machine learning, biology and medicine
- Our data scientists are among the best in the world, with several Kaggle Masters (global top 100), a DREAM Challenge top performer and publications in ICML, NIPS and other top scientific journals.

THOMAS CLOZEL, MD

CEO

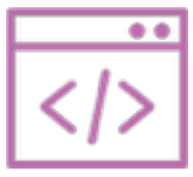
Assistant Professor and physician in clinical oncology.
Former PI at Weill Cornell.

GILLES WAINRIB, PhD

CSO

Professor of Machine Learning at Ecole Normale Supérieure. Postdoc at Stanford. Engineering degree from Ecole Polytechnique.

Data scientists



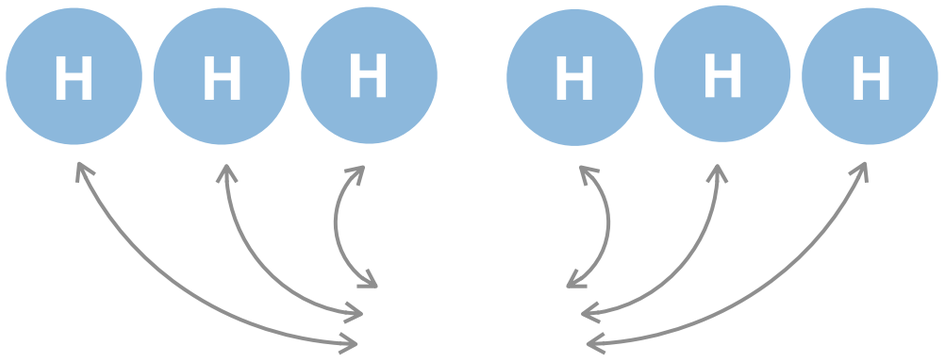
Developers

Physicians
/ bioinformaticians

OWKIN SOCRATES PLATFORM

An End-to-End Solution for AI-Enabled Healthcare Research Overcoming Data Sharing Obstacles

AUGMENT DOCTORS & RESEARCHERS SKILLS



Onsite Data

OWKIN'S COLLECTIVE AI

AI

EMPOWER PHARMA

PHARMA

DRUG DISCOVERY & DEVELOPMENT

clinical trial optimization

biomarker and target discovery

OWKIN NETWORK OF PARTNERSHIPS

ASSISTANCE PUBLIQUE HÔPITAUX DE PARIS

CENTRE DE LUTTE CONTRE LE CANCER LEON BERARD

institutCurie

Together,
let's beat cancer.

Inserm
French National Institute of
Health and Medical Research

Mount Sinai Hospital

Cleveland Clinic

OWKIN HOW WE'RE DIFFERENT

FEDERATED LEARNING

Allows hospitals and/or biopharmas to collaborate **without pooling or sharing any data**.

Your data belongs to you. **It doesn't end up in the cloud or transferred to our servers at anytime.**

OWKIN OUR EXPERTISE

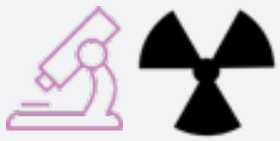
From images to omics,
our unique integration pipeline can be used to connect the dots

Cancer

We create predictive models linking areas as diverse as **biopsy site, resistance predictions and immunotherapy**

Our expert knowledge builds off of our access to >500,000 patients in cancer centres in France

Pathology & Radiology



Using CHOWDER, a proprietary technology to analyse slides using deep learning

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Genomics

Using deep learning to predict phenotypes by linking to pathology signals to genes

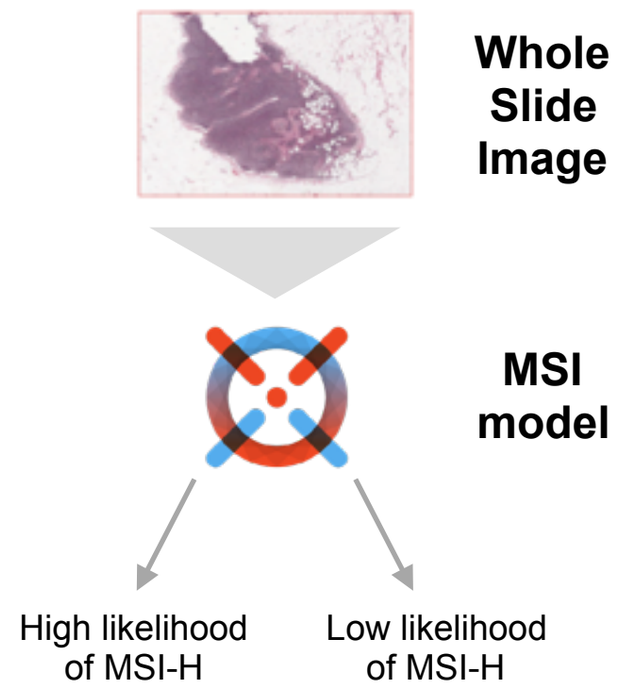
OWKIN MSI RESEARCH PROJECT

Through our network of partnerships, we are building an algorithm that can predict whether a patient is MSI-High using only their whole slide H&E histology

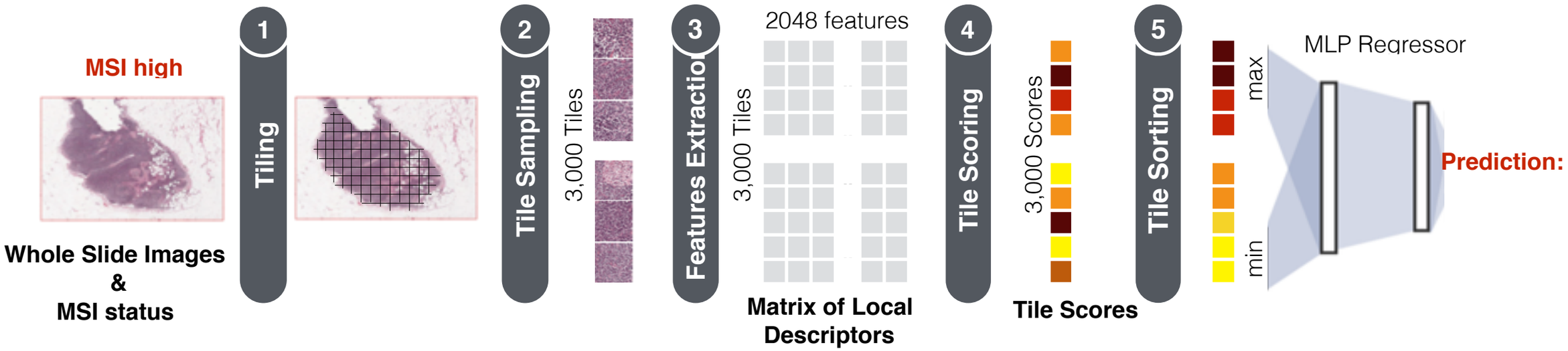
MSI Screening Today

- Systematic screening for cancers with frequent MSI-H phenotypes (colon & endometrial cancers)
- Case by case for other cancers
- Involves a long & costly testing process (IHC and/or PCR)

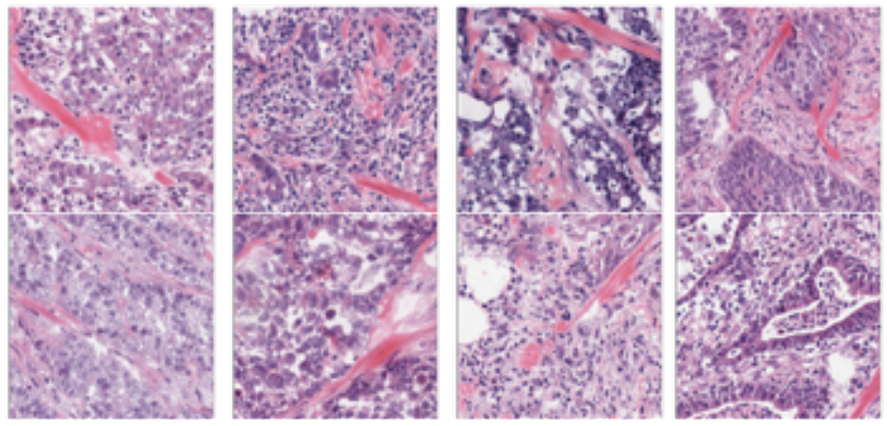
With MSI Socrates model



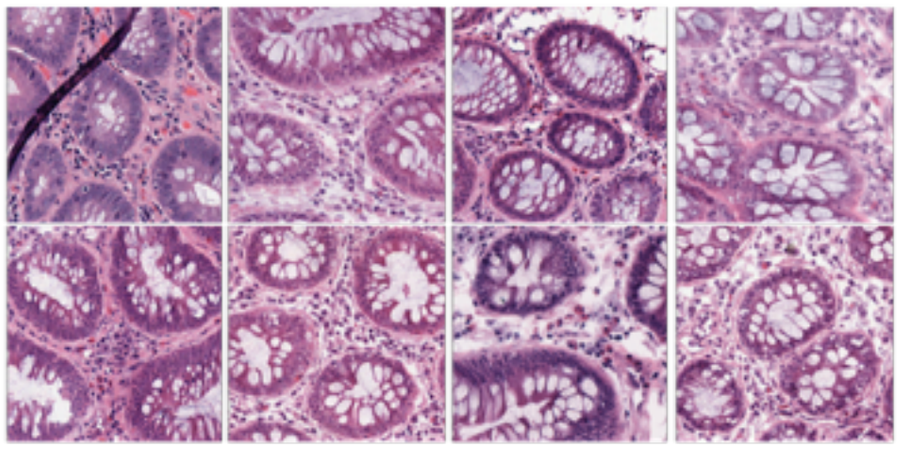
OWKIN MSI RESEARCH PROJECT



MSI-High tiles



MSS tiles



CURRENT CLIENTS