

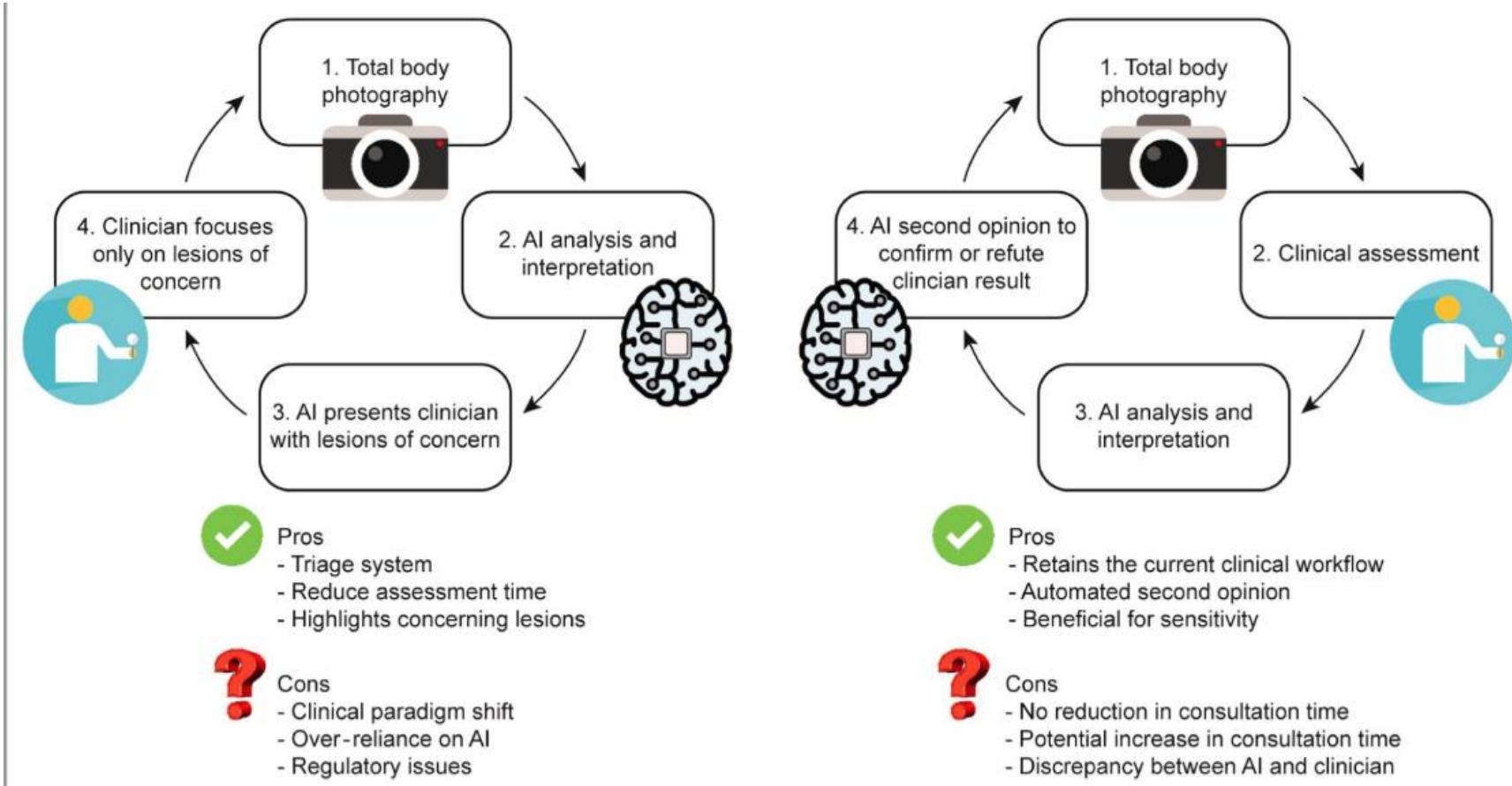
Next-level Discovery with Augmented Intelligence

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STM Week Innovations Day, AI panel



Will Artificial Intelligence replace doctors?



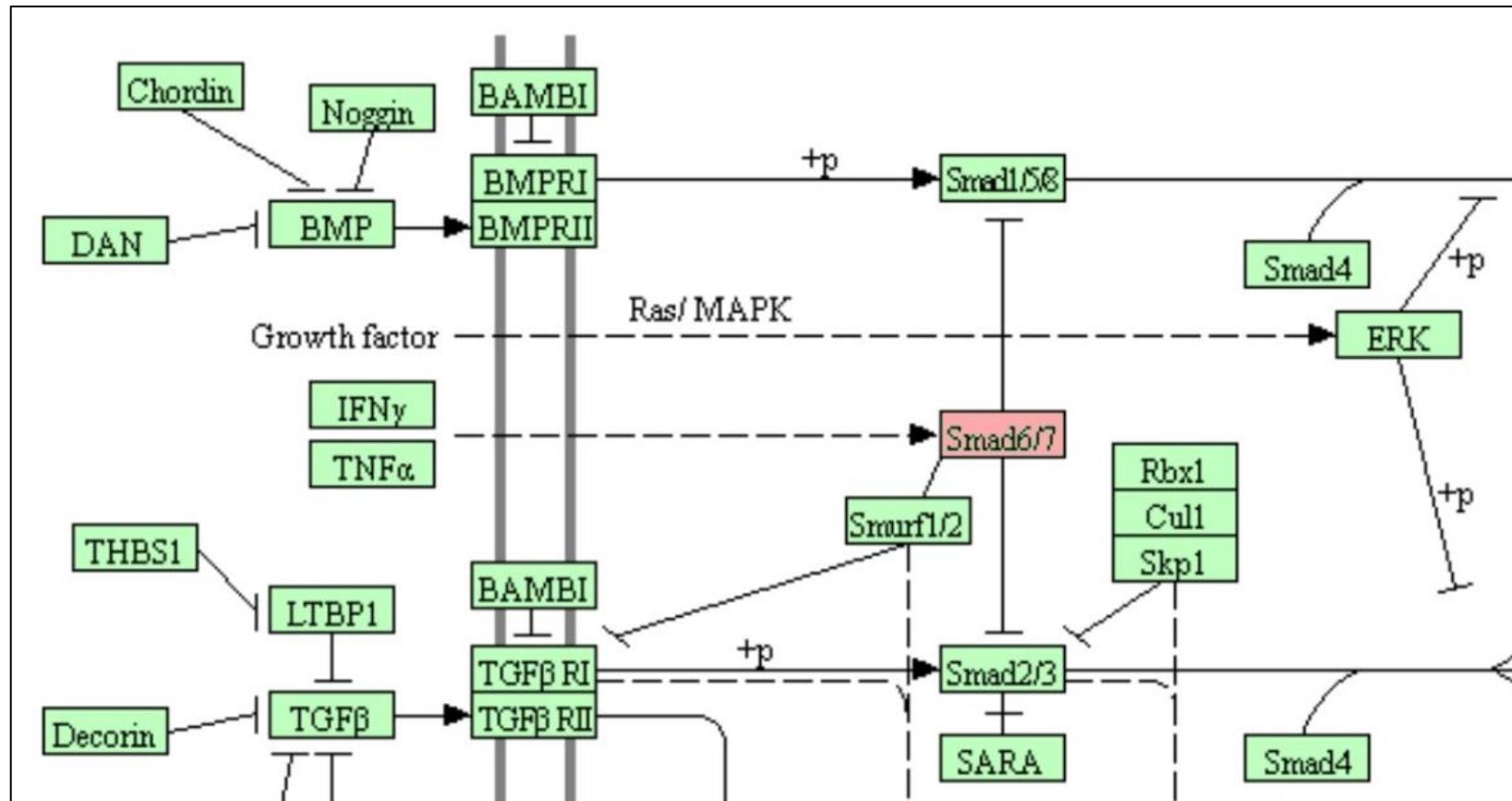
<https://onlinelibrary.wiley.com/doi/full/10.1111/bjd.17110>

«Augmented Intelligence»



Using specific **Artificial Intelligence** (et al.)
approaches
to **augment** human expertise

Case 1: Mongersen



Key Concepts

\$AllGeneticF

TGF family

SMAD

SMAD2

SMAD3

TGFB1

SMAD6

SMAD4

miR-21

NF-kB

BMP

SMURF2

microRNA

SMAD1

TGFBR1

TGFBR

CTGF

activin

iSMAD

lates pluripotency independent of TGF- β signaling.

(See also Medicine Houston TX 77030.)

fact »

but also by JAK-STAT signaling (, ,).

Normal Cells Acts as a Transcriptional Corepressor by

Cell Cycle. My Library

Inflammatory Diseases Institute for Drug Discovery Research Astellas Pharma Inc. 21

d that Smad7 located at the proximal but not distal region, Smad7 in the former.

Show Abstract »

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Case 2: Systematic Reviews

1 randomized controlled trial.pt.

2 controlled clinical trial.pt.

3 randomized.ab.

4 placebo.ab.

5 drug therapy.fs.

18 exp DNA Repair/

19 DNA repair.mp.

20 exp "Poly(ADP-ribose) Polymerases"/

21 (PARP adj5 inhibit*).mp.

22 (poly ADP ribose polymerase adj5 inhibit*).mp.

«PARP inhibitors and ovarian cancer»

9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8

26 BSI-201.mp.

10 (animals not (humans and animals)).sh.

27 INO-1001.mp.

11 9 not 10

28 MK4827.mp.

12 ovar*.mp.

29 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28

13 (cancer* or carcinoma* or neoplasm* or tumor* or tumour* or malignant*).mp.

30 11 and 16 and 29

14 12 and 13

15 exp Ovarian Neoplasms/

16 14 or 15

17 exp DNA Repair Enzymes/

79 PARP inhibitors (not 6)

olaparib	N-ethylmaleimide	benzopyrone	FR247304
niraparib	CEP-8983	AZD-2461	GPI-16346
rucaparib	CEP-9722	picolinamide	GPI-18180
veliparib	E-7016	GPI-15427	FR-257517
talazoparib	DPQ (PARP Inhibitor III)	GPI-6150	GPI-18078
histidine	midazolam	EB-47	GPI-6000
minocycline	carvedilol	KU-0058948	quinoxaline analogue 3b
iniparib	BGP-15	3,4-dihydro-5-methyl-isoquinolinone	ICX-56258231
thymidine	PCMBS	3-methoxybenzamide	BYK-204165
pyruvic acid	AG-14361	PARP inhibitor XI	ONO-1924H
bendamustine	INO-1001	5-(2-oxo-2-phenylethoxy)-1(2H)-isoquinolinone	3-methyl-5-AIQ
niacin	PARPi-FL	NVP-TNKS656	
3-aminobenzamide	5-amino-1(2H)-isoquinolinone	4-quinazolinol	
E-7449	NU1025	KU-0058684	
pamiparib	chloromercuribenzoate	2-(4-hydroxyphenyl)-1H-benzimidazole-4-carboxamide	
histamine	G007-LK	CEP-6800	
PJ34	[18F]PARPi	carba-NAD	
lapachone	thieno(2,3-c)isoquinolin-5-one	6-iodo-5-nitro-chromen-2-one	
benzamide	4-amino-1,8-naphthalimide	o-lodosobenzoate	
XAV-939	nicaraven	A-966492	
theophylline	1,5-Dihydroxyisoquinoline	ONO-2231	
1(2H)-phthalazinone	6-phenanthridinol	ME0328	
IBMX	6-amino-5-iodo-1,2-	indenoisoquinolinone	



Key Concepts

PARP inhibitor

olaparib

veliparib

minocycline

thymidine

superior

1.3. 63. 11

200

imparis

Ovarian Cancers

Ectyphial cell neoplasia

luteoma

granulos

General Concepts

patient

BRCA

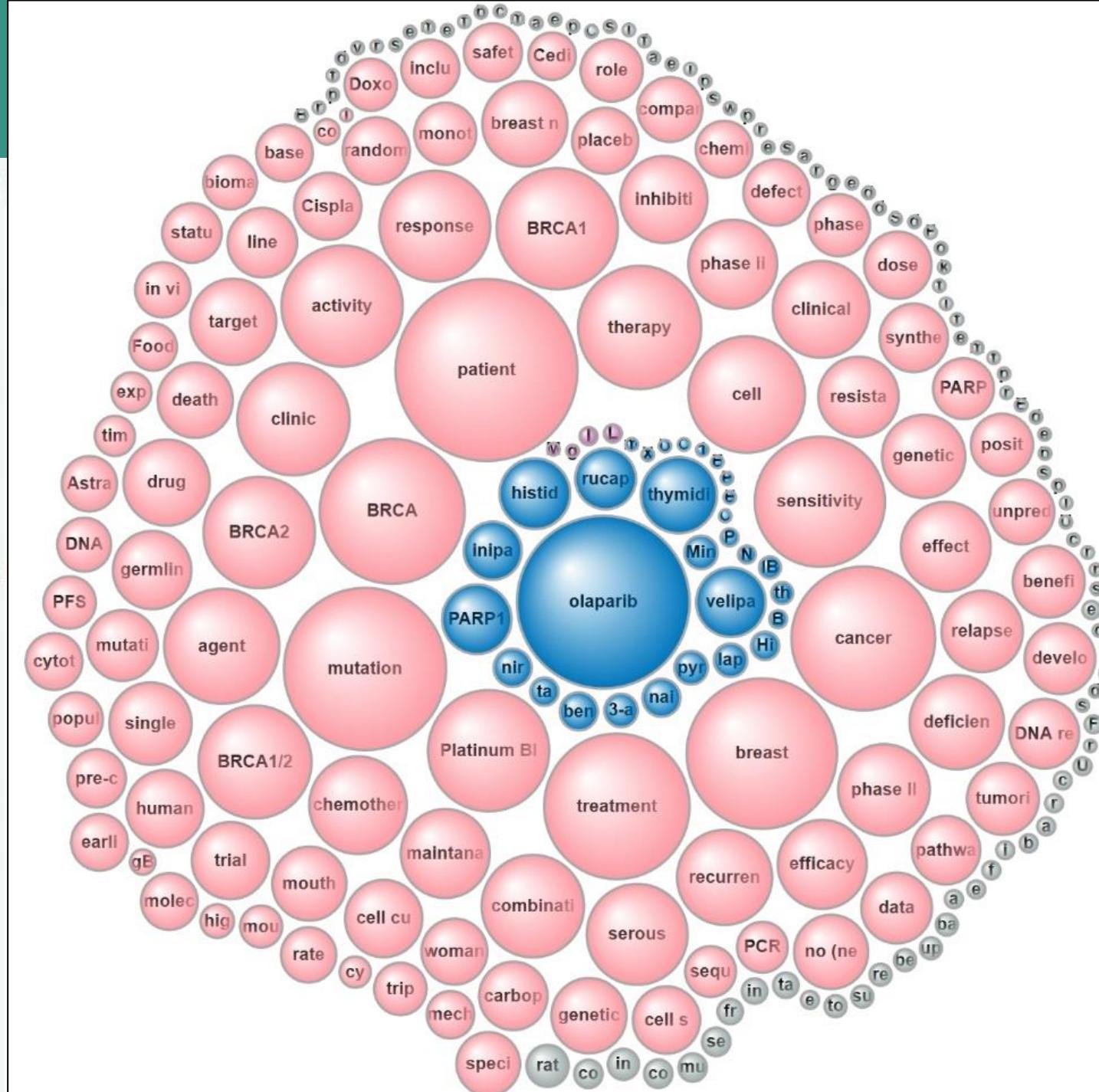
mutation

Bl-4

• 1998 • 1999

10

[More »](#)



New South Wales Sydney NSW 2217

tetracycline in the treatment of



«Under the Hood»

- Over a dozen AI (et al.) components in
 - Data ingestion / indexing
 - Query interpretation
 - Result generation
 - Visualization
- Partially Human-Curated Ontology
- >40 million documents, including clinical trials, patents, and more to come

Thank you.

Daniel Ebneter

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**Quertle is actively looking for opportunities to improve
discoverability of scientific content with Augmented Intelligence
for both users and publishers.**

Let's talk!