HEALTH + AI TECH SHOW

CLINICAL AI + DIAGNOSTICS SUMMIT | GENOMICS, BIOTECH + DRUG DISCOVERY AI SUMMIT | AI IN HEALTH + HOSPITAL OPERATIONS SUMMIT | CREATIVE LDN

	**HEALTH + AI TECH SHOW	29 APRIL 2027	BIG PENNY SOCIAL - LONDON** **AI in Diagnosis, Life Sciences & Hospital Care** One day bringing together NHS and independent healthcare leaders, clinicians, pharmaceutical and biotechnology innovators, life sciences investors, researchers and technology partners. Across three summits and eight practical Workshop LABS, explore how AI is transforming diagnosis, accelerating life sciences innovation and reshaping healthcare delivery.				
8:30 AM	**Registration · Coffee, Collisions & Curiosity** The first question of the day is over coffee. What's one thing you'd trust AI to do in healthcare, and one thing you'd still want a human to do? **ALL DAY VIBES · F+B BRAND PARTNERS** Andrea Cacao | Paulas Samosas | Sweet Tooth | The Uncommon Wine | Unity | Kinda Grind | Jaramillo Cafe | Re-Set-Pause | Ale Hunters | Big Penny Social + More TBA				
9:25 AM	**Welcome & Opening Remarks** **OPENING CHAIR** Shane White, Editor-in-Chief, **HEALTH + AI INSIDERS**				
9:30 AM	**The Next Era of Healthcare: Who Controls the Intelligence?** As AI moves from supporting decisions to shaping diagnoses, research and care delivery, who should determine how it is used? A leadership conversation about the future of intelligent healthcare, clinical trust, accountability and the balance between human judgement and machine intelligence. **OPENING PLENARY CONVERSATION** **CHAIR**				
	CLINICAL AI + DIAGNOSTICS SUMMIT Smarter Diagnoses. Earlier Intervention. Better Outcomes. Explore how AI is transforming disease detection, clinical decision-making and personalised care, from earlier diagnosis and predictive screening to intelligent treatment pathways and better patient outcomes.	**GENOMICS, BIOTECH + DRUG DISCOVERY AI SUMMIT** Decoding Biology. Accelerating Discovery. Personalising Medicine. Explore how AI is accelerating drug discovery, transforming clinical trials and advancing life sciences, from breakthrough research to investment and real-world impact.	**AI IN HEALTH + HOSPITAL OPERATIONS SUMMIT** Intelligent Workflows. Safer Systems. Measurable Impact. Explore how AI is transforming healthcare delivery, from intelligent hospital operations and automated workflows to connected patient pathways, clinical safety and measurable productivity.	**CREATIVE LDN: HEALTH EDITION** *Ideas. Impact. Immersion.* Coffee tastings, guided resets and food and drink pop-ups run alongside the summits. After the business programme closes, Sundown brings together conversations on creativity and AI, followed by music and networking.	**WORKSHOP LABS (20 max capacity)** *Test. Tinker. Transform.* Work through a case in a small group. Build and test a workflow, choose the next experiment or price an AI deployment. Each Lab gives you a decision to make and a result to take away.
10:00 AM	**The Diagnosis Before the Symptoms: AI & the New Science of Early Detection** How is AI changing our ability to detect disease before symptoms emerge? From imaging and biomarkers to predictive risk models, explore the breakthroughs, clinical evidence and challenges of turning earlier detection into better outcomes. **KEYNOTE**	**The UK's £600m Health Data Bet: Can AI Unlock the Next Medical Breakthrough?** How can the UK turn its vast health data resources into a competitive advantage for medical research? Explore the infrastructure, data access and AI capabilities needed to accelerate scientific discovery, strengthen clinical research and translate national investment into better outcomes for patients. **KEYNOTE** Joe Zhang, Incoming Director of Engineering and Data Science, **HEALTH DATA RESEARCH SERVICE**	**The Intelligent Hospital: From AI Pilots to Enterprise Transformation** How are NHS trusts and independent hospitals moving beyond isolated AI projects towards connected, organisation-wide transformation? Exploring leadership, clinical engagement, technology infrastructure and the practical challenges of scaling AI. **KEYNOTE**		**10:10 AM WORKSHOP LAB 1** **Build a Healthcare AI Agent** Design a simple agentic workflow, set permissions and approval points, and explore the safeguards needed for AI-enabled administrative tasks. **HOST**
10:20 AM	**The Cancer That AI Caught First: Earlier Detection in the Real World** How is AI being deployed to improve cancer detection? An evidence-led examination of screening, diagnostic accuracy, clinician workload and patient outcomes, drawing on practical experience of implementation. **IMPLEMENTATION KEYNOTE**	**From Target to Treatment: Inside the AI Drug Discovery Engine** How are pharmaceutical and biotech teams applying AI to target identification, molecular design and experimental validation? An implementation-led look at what is accelerating discovery and what still requires traditional scientific methods. **IMPLEMENTATION KEYNOTE**	**The AI-Powered Care Revolution: Better Outcomes, Beyond the Hospital** How is AI transforming the delivery of personalised care beyond traditional clinical settings? Explore how intelligent technology, combined with human clinical expertise, is expanding access to treatment, supporting patients remotely and delivering measurable improvements in outcomes, capacity and healthcare costs. **IMPLEMENTATION KEYNOTE**		
10:40 AM	**Doctor + Algorithm: What Happens When They Disagree?** When AI and clinical judgement reach different conclusions, what happens next? Exploring diagnostic accuracy, automation bias, patient safety and the evidence needed to build effective partnerships between clinicians and intelligent systems. •When should AI challenge clinical judgement, and how should disagreements be resolved? •Can human and machine intelligence together reduce diagnostic errors? •Who takes responsibility when AI influences the wrong clinical decision? **PANEL** **CHAIR**	**Can AI Fix Pharma's Failure Rate?** AI is transforming drug discovery, from identifying targets to designing new molecules. But is it producing safer, more effective medicines or simply accelerating the earliest stages of R&D? An evidence-led discussion examining AI-designed drug candidates, scientific validation, clinical trial outcomes and whether AI can genuinely improve pharmaceutical success rates. •Are AI-designed drugs demonstrating better clinical outcomes, or are we still waiting for convincing evidence? •Can AI predict failures earlier and reduce the cost and risk of drug development? •What scientific and clinical evidence would convince pharma leaders and investors that AI is genuinely improving R&D success rates? **PANEL** **CHAIR**	**Who Gave the AI Permission? The Rise of Autonomous Healthcare Agents** As AI agents move beyond providing information towards performing tasks, who determines what they can do? Exploring clinical safety, governance, accountability and the boundaries of autonomous healthcare systems. •Which healthcare tasks are ready for AI agents to perform autonomously? •Where should human approval remain essential? •Who is accountable when an AI agent makes a mistake or takes an unauthorised action? **PANEL** **CHAIR**	**10.30 AM | Reset the Signal - Guided Sound Bath** Take a break from the show floor for a guided sound session. **HOST** Eleonora Prinsi, Founder, **RE-SET-PAUSE**	**10:40 AM | WORKSHOP LAB 2** **Clinical AI Safety Lab** Investigate a simulated AI error, identify the risks and design practical safeguards before deployment. **HOST**
11:10 AM	**Stroke AI Against the Clock: When Minutes Matter** Inside the deployment of AI to support urgent stroke diagnosis and treatment. Where can technology reduce delays, improve clinical decisions and help patients receive the right intervention faster? **IMPLEMENTATION SPOTLIGHT**	**Fail Faster, Discover Better: AI-Powered Toxicity Prediction** How are researchers using AI and experimental data to identify potential safety risks earlier? Examining predictive toxicology, preclinical validation and better decisions about which drug candidates should advance. **IMPLEMENTATION SPOTLIGHT**	**The AI Scribe Reality Check: Where's the Time Actually Saved?** Ambient AI documentation promises to reduce administrative work, but what are hospitals experiencing in practice? Exploring clinician time, documentation quality, workflow changes and measurable benefits from real deployments. **IMPLEMENTATION SPOTLIGHT**	**11.10 AM - 11.40 AM | Coffee Rituals & Tasting** Taste how different brewing methods change what's in the cup. **HOST** **JARAMILLO CAFE**	**11.10 AM | WORKSHOP LAB 3** **Beyond the Scribe: Automating the Clinical Workflow** Map the journey from consultation notes to coding, referrals and follow-up, identifying opportunities for safe automation. **HOST**
11:20 AM	**The ECG That Sees the Future: Predicting Disease from Everyday Tests** Could routine ECGs reveal risks that conventional interpretation misses? Exploring AI-enabled cardiovascular prediction, clinical validation and the opportunities and challenges of bringing predictive diagnostics into everyday care. •What can AI detect in routine ECGs that traditional interpretation might miss? •How reliable are these predictions across different patient populations? •What evidence is needed before predictive ECGs become part of routine care? **FIRESIDE CHAT** **CHAIR**	**The Language of Life: Foundation Models for Biology** From proteins and cells to DNA and RNA, foundation models are transforming how researchers analyse biological systems. What can they genuinely predict, where do they struggle and how might they accelerate biomedical discovery? •What can biological foundation models genuinely predict today? •How are these models changing research into proteins, genes and disease? •What scientific limitations must be overcome before they transform drug discovery? **FIRESIDE CHAT** **CHAIR**	**The NHS AI Shopping List: Who Buys, Who Pays & What Delivers?** What does it take for an AI technology to move from promising demonstration to funded NHS deployment? A candid conversation about procurement, clinical evidence, integration costs, supplier relationships and return on investment. •What makes an AI solution worth buying and scaling across the NHS? •Who controls the budget, and who carries the cost of implementation? •What evidence of clinical and financial value is needed to secure long-term investment? **FIRESIDE CHAT** **CHAIR**		
11:40 AM	**The Lab in Your Pocket: Diagnostics Without the Hospital** Meet innovators developing portable diagnostics, AI-enabled testing and intelligent biosensors that could bring faster, more accessible diagnosis closer to patients. **STARTUP SHOWCASE**	**Molecules by Machine: The New Generation of AI Biotech** Meet emerging companies applying generative AI, computational chemistry and automated experimentation to discover and develop new therapeutic candidates. **STARTUP SHOWCASE**	**The Hospital's New Operating System: AI-Native Healthcare Technology** Discover emerging technologies designed to connect hospital systems, improve clinical administration and coordinate increasingly intelligent healthcare workflows. **STARTUP SHOWCASE**	**11.40 AM Pause, Release, Reset - Self-Massage & Breathing** A guided pause with simple self-massage and breathing techniques. **HOST** Eleonora Prinsi, Founder, **RE-SET-PAUSE**	**11:40 AM | WORKSHOP LAB 4** **AI Readiness Clinic** Assess your organisation's readiness across governance, data, infrastructure and workforce capability, then identify your next priority. **HOST**
11:50 AM	**Creative LDN Break: Fuel, Focus & the Future of Food (Shared Across All Stages)** How are changing ideas about nutrition, health and sustainability influencing what we eat? A conversation about food, wellbeing and the choices shaping our future. **LUNCH, NETWORKING + CREATIVE LDN TALK** Klaus Mitchell, Founder & CEO, **PLANT BASED NEWS**				**12:10 PM | WORKSHOP LAB 5** **A Decision-Maker's Guide: CRISPR, Genomics & AI** Explore how AI and gene editing intersect through an accessible research example, and examine the evidence needed before a treatment advances. **HOST**
12:50 PM	**The Virtual Patient: Can AI Predict Your Response to Treatment?** Could digital twins and computational models help clinicians understand how individual patients might respond to treatment? Exploring scientific progress, clinical validation and the barriers to using simulation in personalised care. **KEYNOTE**	**Precision Therapies, Real Patients: How AI Is Transforming Cancer Treatment** How can AI, genomics and patient data help deliver more personalised cancer treatments? Explore how advanced analytics are improving our understanding of treatment effectiveness, identifying gaps in care and supporting better decisions for patients with cancer. **KEYNOTE** Dr Shikta Das, Scientific Lead, Real-World Evidence (Oncology), **ASTRAZENECA**	**NHS Online: The Hospital Without Walls. What Happens Next?** As the NHS prepares to deliver specialist care through a national online hospital, what could this mean for patients, clinicians and existing hospital services? Exploring digital referrals, remote consultations, local diagnostics and the role AI could play in connecting the patient journey. **KEYNOTE**		**12:40 PM | WORKSHOP LAB 6** **AI Drug Discovery Sandbox** Work through a simplified drug discovery challenge, prioritise candidate molecules and choose the experiment that would test your decision. **HOST**
1:10 PM	**Beyond the Scan: AI in Radiology & Pathology** How are diagnostic teams integrating AI into imaging and pathology workflows? Exploring clinical performance, reporting times, workforce impact and lessons from real deployments. **IMPLEMENTATION KEYNOTE**	**The Missing Patient: Can AI Transform Clinical Trial Recruitment?** How are clinical research teams using AI to identify eligible patients, improve recruitment and reduce delays? An implementation-led look at real results, data challenges and the work still required to bring patients into studies. **IMPLEMENTATION KEYNOTE**	**The Hospital That Predicts Tomorrow: AI for Beds, Demand & Patient Flow** How are hospitals using predictive analytics to anticipate demand, manage capacity and improve patient flow? Exploring operational deployment, measurable results and the challenges of turning forecasts into better decisions. **IMPLEMENTATION KEYNOTE**		**01:10 PM | WORKSHOP LAB 7** **Healthcare AI ROI Lab** Build a practical business case by examining licensing, implementation, staff time, capacity and measurable value. **HOST**
1:30 PM	**The Patient Who Never Reaches Hospital: Can AI Make Prevention Pay?** Can predictive diagnostics, wearables and remote monitoring help healthcare move from treating illness to preventing it? Exploring clinical outcomes, patient engagement and the economics of investing in earlier intervention. •Can AI-powered prediction and monitoring genuinely prevent hospital admissions? •Which preventive interventions are delivering measurable patient benefits? •Who pays for prevention when the financial returns may take years to materialise? **PANEL** **CHAIR**	**The UK's Life Sciences Bet: Can AI Turn Discovery into Investment?** As the UK seeks to strengthen its position in global life sciences, can AI help turn scientific breakthroughs into successful medicines, growing companies and commercial investment? Exploring research infrastructure, access to data, clinical trials, scale-up funding and the barriers between discovery and market. •Can the UK turn its scientific strengths into globally competitive AI-enabled life sciences companies? •What will unlock greater investment in drug discovery, clinical trials and advanced therapies? •How can research institutions, the NHS, pharma and investors work together to accelerate commercialisation? **PANEL** **CHAIR**	**The Billion-Pound Question: Where Are Healthcare AI's Real Savings?** AI promises productivity gains, increased capacity and lower costs, but what is the financial reality? Examining implementation costs, workforce impact, measurable return on investment and whether the economic case is keeping pace with adoption. •Where is AI delivering measurable productivity and financial benefits in healthcare? •Are hospitals genuinely saving money, or simply creating more clinical capacity? •What does a credible business case look like when implementation and ongoing costs are included? **PANEL** **CHAIR**	**01:45 PM - 02:15 PM | Pour Decisions - Guided Wine & Beer Tastings** Explore the flavours and techniques behind a selection of wines and house-brewed beers. **HOST** **BIG PENNY SOCIAL** - Paul Davies	
2:00 PM	**Your Genome, Your Prescription: Precision Medicine in Practice** How are genomic testing and clinical decision support helping clinicians select safer and more effective treatments? Exploring practical implementation, prescribing decisions and the challenges of scaling pharmacogenomics. **IMPLEMENTATION SPOTLIGHT**	**Programming the Next Cure: AI in Cell & Gene Therapies** How is AI being used to support advanced therapy design, manufacturing and quality control? Examining practical applications and the challenges of making complex treatments more reliable and scalable. **IMPLEMENTATION SPOTLIGHT**	**The AI Nobody Signed Off: Intelligence by Software Update** What happens when AI capabilities arrive through existing hospital software? Exploring clinical safety, supplier accountability, governance and how healthcare organisations assess new functionality introduced through routine updates. **IMPLEMENTATION SPOTLIGHT**	**01.45 PM | Reset the Signal - Guided Sound Bath** Take a break from the show floor for a guided sound session. **HOST** Eleonora Prinsi, Founder, **RE-SET-PAUSE**	**01:50 PM | WORKSHOP LAB 8** **Autonomous Hospital Playbook** Design an AI-enabled patient journey, identify automation opportunities and establish the clinical oversight needed for safe delivery. **HOST**
2:10 PM	**When AI Gets Women's Health Wrong: The Diagnostic Blind Spot** From delayed diagnoses to underrepresented patient data, can AI help address longstanding inequalities in women's health, or risk reinforcing them? A conversation about clinical evidence, bias and opportunities for better care. •Where are the biggest diagnostic gaps in women's health, and could AI help close them? •Are historical biases and underrepresented data being reproduced in AI systems? •How can AI be developed and evaluated to deliver better outcomes for women? **FIRESIDE CHAT** **CHAIR**	**The Self-Driving Laboratory: When AI Chooses the Next Experiment** What happens when AI, robotics and automated experimentation work together? Exploring autonomous laboratories, scientific discovery and how researchers are redefining the relationship between human expertise and machine-led experimentation. •How are AI and robotics changing the way scientific experiments are designed and conducted? •Can autonomous laboratories accelerate discovery while reducing cost and experimental failure? •What role will human scientists play as laboratories become increasingly automated? **FIRESIDE CHAT** **CHAIR**	**Approved Today. Unsafe Tomorrow? Regulating AI That Keeps Changing** How can healthcare organisations maintain confidence in AI systems after deployment? Exploring evolving regulation, ongoing monitoring, clinical safety and the challenges of managing technology that changes over time. •How will the MHRA's evolving approach change the approval and monitoring of healthcare AI? •Who is responsible for ensuring AI remains safe as systems are updated and deployed more widely? •Can more flexible regulation accelerate innovation without compromising patient safety? **FIRESIDE CHAT** **CHAIR**		
2:30 PM	**The Next Generation of Diagnostics: AI Startups to Watch** Discover emerging technologies across digital biomarkers, voice-based diagnostics, intelligent screening and AI-powered clinical testing. **STARTUP SHOWCASE**	**Beyond the Molecule: The Next Frontier of Computational Biology** Discover emerging innovations in protein design, synthetic biology, multi-omics and AI-enabled therapeutic discovery. **STARTUP SHOWCASE**	**When the Hospital's AI Goes Dark: What's Plan B?** Discover emerging approaches to AI infrastructure resilience, monitoring, recovery and continuity of care when intelligent systems fail. **STARTUP SHOWCASE**	**02.45 PM Pause, Release, Reset - Self-Massage & Breathing** A guided pause with simple self-massage and breathing techniques. **HOST** Eleonora Prinsi, Founder, **RE-SET-PAUSE**	
2:40 PM	**Creative LDN 'Sundown': Signal to Noise** As the summits close, grab a drink, reconnect and get ready for Creative LDN Sundown. **NETWORKING BREAK + CREATIVE LDN TRANSITION**				
3:05 PM	**Creative LDN 'Sundown': Beyond the Algorithm: Welcome** A brief introduction to the conversations and creative experiences ahead. **HOST** Jordan Bassett, Journalist & Contributor, **NME, WALLPAPER* & SPIN**			**03:00 PM - 03:30PM | Pour Decisions - Guided Wine & Beer Tastings** Explore the flavours and techniques behind a selection of wines and house-brewed beers. **HOST** **BIG PENNY SOCIAL** - Paul Davies	
3:10 PM	**Creative LDN 'Sundown': The Human Advantage: Creativity, Conviction & the Future of Intelligence** As AI changes how we create, work and make decisions, what remains uniquely human? A conversation about originality, intuition, imagination and the courage to challenge conventional thinking. **FIRESIDE CHAT** **CHAIR** Klaus Mitchell, Founder & CEO, **PLANT BASED NEWS**				
3:40 PM	**Creative LDN 'Sundown': Can a Machine Understand What It Means to Be Human?** As AI becomes increasingly capable of interpreting language, emotion and behaviour, what does it really mean to understand another human being? Exploring consciousness, empathy and the limits of machine intelligence. **FIRESIDE CHAT** **CHAIR** Lisa Wright, Journalist & Contributor, **THE LONDON STANDARD & THE OBSERVER**				
4:00 PM	**Creative LDN Afterparty: Frequency Shift** The conference gives way to music, culture and connection, bringing together the people shaping healthcare's future for an informal celebration. **DJ SET** DJ Yoda, Producer + Visual Artist, **NINJA TUNE**				
	This agenda is subject to change of speakers, invited speakers, sessions or topics. For internal use only not to be circulated to external sources				