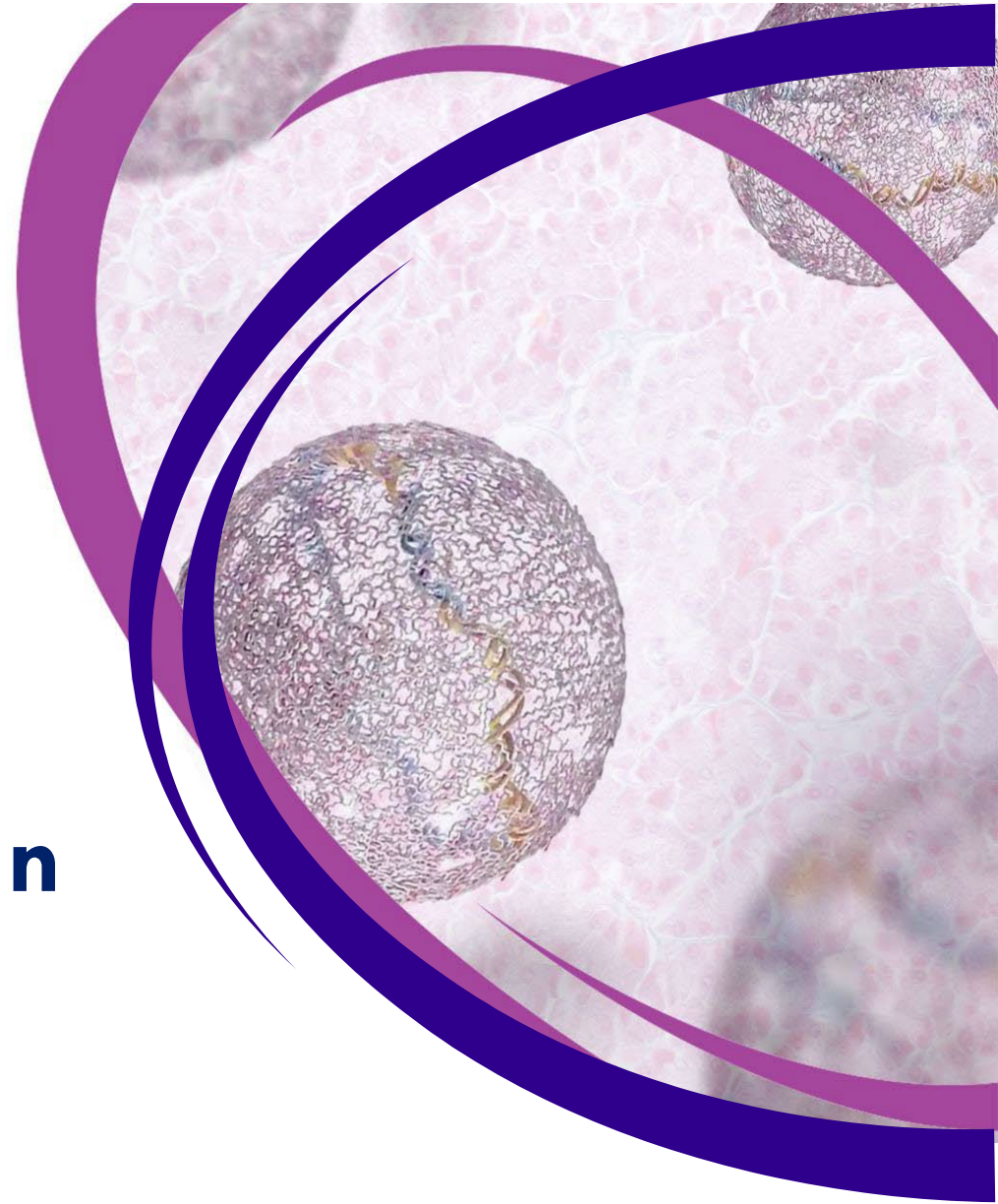


Investor Call: OVATION-3, Phase 3 Study Design

March 25, 2025

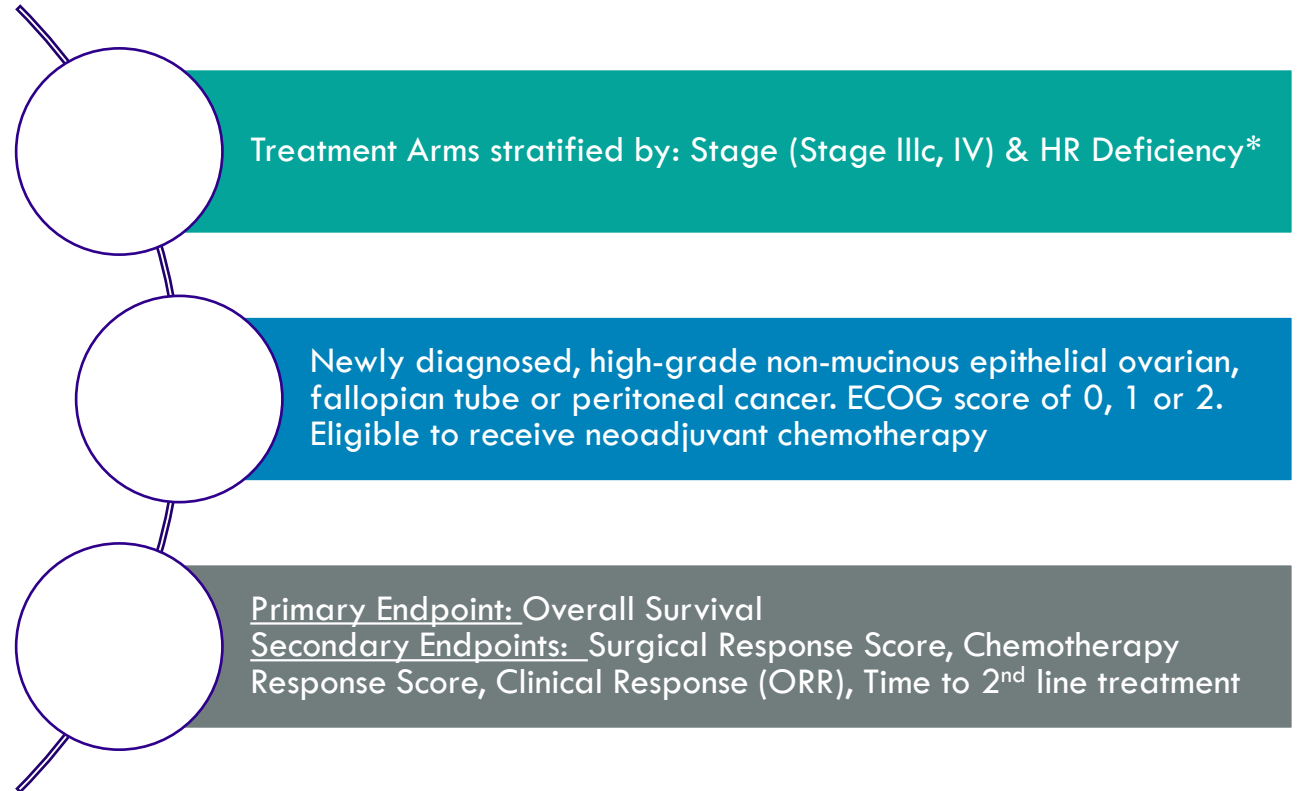
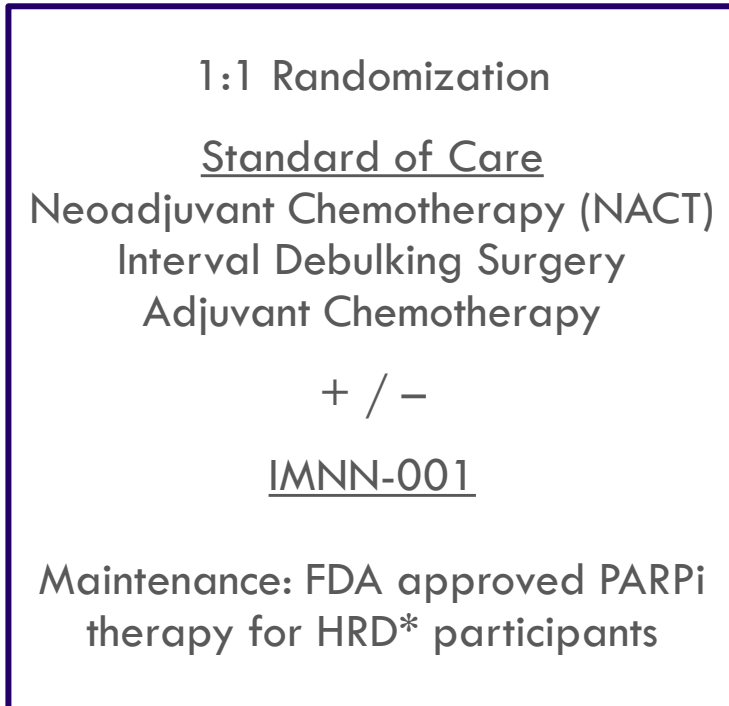
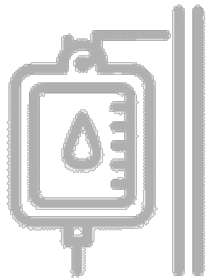


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This presentation and any statements made during the presentation contain forward-looking statements related to Imunon, Inc. (“Imunon” or the “Company”) under the “safe harbor” provisions of Section 21E of the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical fact, including, but not limited to, statements regarding the timing for commencement and potential outcome of a Phase 3 trial of IMNN-001, the timing and enrollment of the Company’s clinical trials, the potential of any therapies developed by the Company to fulfill unmet medical needs, the market potential for the Company’s products, if approved, the potential efficacy and safety profile of the Company’s product candidates, and the Company’s plans and expectations with respect to its development programs more generally, are forward-looking statements. Imunon generally identifies forward-looking statements by using words such as “may,” “will,” “expect,” “plan,” “anticipate,” “estimate,” “intend” and similar expressions (as well as other words or expressions referencing future events, conditions or circumstances). Such forward-looking statements involve risks and uncertainties including, without limitation, uncertainties relating to unforeseen changes in the course of research and development activities and in clinical trials, including the fact that interim results are not necessarily indicative of final results; the uncertainties of and difficulties in analyzing interim clinical data; the significant expense, time and risk of failure in conducting clinical trials; the ability to obtain additional funds for operations; the need for Imunon to evaluate its future development plans; possible actions by customers, suppliers, competitors or regulatory authorities; and other risks detailed from time to time in the Company’s filings with the Securities and Exchange Commission. Imunon assumes no obligation, except to the extent required by law, to update or supplement forward-looking statements that become untrue because of subsequent events, new information or otherwise.

OVATION-3 Pivotal Trial: Finalized Phase 3 Study Design with FDA

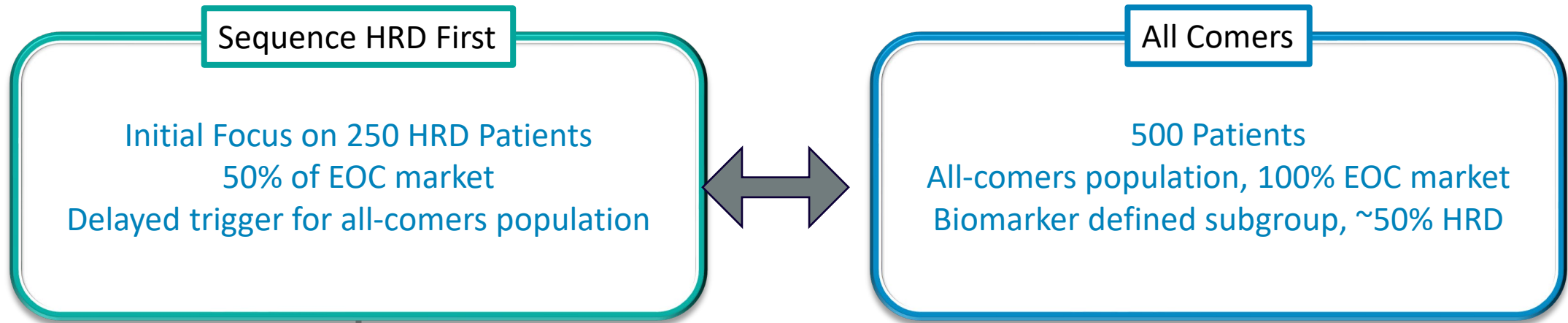
Randomized, multicenter Phase 3 trial to evaluate the safety and efficacy of IMNN-001 (100 mg/m²) plus standard of care neoadjuvant and adjuvant chemotherapy (NACT) vs SOC NACT alone



Innovative Statistical Design

Two event-driven Interim Analyses allowing the possibility for early stopping success and regulatory filing

Designed with Operational Flexibility



Both with high statistical power and high likelihood of stopping early for success

initial investment reduced by 40%
and potential to focus acceleration
to achieve readout 2 years earlier