

Key cardiovascular & metabolic projects

Exploratory	Confirmatory		Registration
	Phase II	Phase III	
LCI699 Hypertension	LCZ696 Hypertension	Lotrel® ACCOMPLISH	Galvus® Type II diabetes
VNP489 Hypertension		Diovan/Starlix® NAVIGATOR	Tekturna® FDC Hypertension
		Tekturna® ALTITUDE	Galvus® FDC Type II diabetes
		Tekturna® FDC Hypertension	

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Key oncology & hematology projects

Exploratory	Confirmatory		Registration
	Phase II	Phase III	
HCD122 Hem. tumors	LBQ707 Solid Tumors	EPO906 Ovarian cancer	
TKI258 Hemat. & solid tumors	PKC412 AML ¹	SOM230 Cushing's disease	
RAF265 Melanoma	LBH589 Hemat. tumors	Glivec® GIST adjuvant ³ / CML (800 mg) ⁴	
LBY135 Solid tumors	ASA404 NSCLC ⁷	RAD001 pICT ⁶ , neuroend. tumors	
BEZ235 Solid tumors	RAD001 Solid tumors	RAD001 RCC ⁵	
AUY922 Solid tumors	Glivec® non-oncology indications	Tasigna® GIST ³ / newly diagnosed CML / subop. CML ⁴	
BHQ880 Solid tumors	EPO906 Solid tumors		
BGT226 Solid tumors	SOM230 Acromegaly / GEP ² tum.		
LBH589 Hemat. & solid tumors			
Exjade® Herid.hemotchromatosis			

- ¹ Acute myeloid leukemia
- ² Gastroenteropancreatic
- ³ Gastrointestinal stromal tumor
- ⁴ Chronic myeloid leukemia
- ⁵ Renal cell carcinoma
- ⁶ Pancreatic islet cell tumor
- ⁷ Non small cell lung cancer

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Key neuroscience & ophthalmology projects

Exploratory	Confirmatory		Registration
	Phase II	Phase III	
BGG492 Epilepsy	Lucentis® DME ²	FTY720 Multiple Sclerosis	Stalevo® EU Parkinson's
BAF312 Multiple Sclerosis		AGO178 Depression ¹	NVF233 Multiple Sclerosis
AQW051 Schizophrenia			
ATI355 Spinal cord injury			
KRP203 Multiple Sclerosis			
CAD106 Alzheimer's			
AFQ056 CNS			
SAB378 CNS			
SAD448 Glaucoma			
ACZ885 Wet AMD ³			

¹ Targeted for US submission
² Diabetic macular edema
³ Age-related macular degeneration



Key respiratory projects

Exploratory	Confirmatory		Registration
	Phase II	Phase III	
QAX576 Asthma	NVA237 COPD ¹	QAB149 COPD ¹	
QAU145 Cystic Fibrosis	QAT370 COPD ¹	Tobramycin dry powder inhaler Cystic Fibrosis	
QAX028 COPD ¹	QAE397 Asthma	MFF258 Asthma ²	
VAK694 Asthma	NIC002 Smoking cessation	MFF258 COPD ^{1, 2}	
QAV680 Asthma	QVA149 COPD ¹	Xolair [®] liquid form. Allergic asthma ³	
ACZ885 COPD ¹	QMF149 Asthma ²		
	QMF149 COPD ^{1, 2}		

¹ Chronic obstructive pulmonary disease

² In collaboration with Schering-Plough

³ In collaboration with Genentech

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Key infectious diseases, immunology & dermatology projects

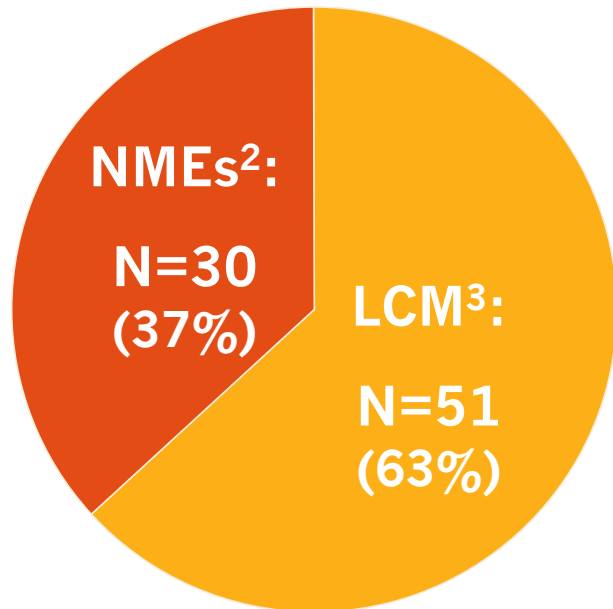
Exploratory	Confirmatory		Registration
	Phase II	Phase III	
RSV604 RSV infection ^{1, 2}	AEB071 Kidney & heart transplantation	TFP561 sCAP ³	Certican® - US Kidney & heart transplant
AHT956 Transplantation	SBR759 Hyperphosphatemia ⁴	ABF656 Hepatitis C ⁶	Aclasta®/Reclast® Fracture prevent. osteoporosis
NIM811 Hepatitis C	Aurograb® Staph aureus infect.	Mycograb® Severe fungal infection	
QAL964 Rheumatoid arthritis	ACZ885 Rheumat. arthritis	ACZ885 Muckle Wells	
ATF936 Osteoporosis	ACZ885 SJIA ⁵	Certican® Liver transplantation	
SAB953 Pruritus		Lamisil® Onychomycosis	
BCT194 Psoriasis		SMC021 Osteoporosis	
AIN457 Psoriasis		SMC021 Osteoarthritis	
BCT197 Rheumatoid arthritis		Aclasta®/Reclast® Male osteoporosis	
Mycograb® Meningitis		Aclasta®/Reclast® PMO-P ⁷	
AEB071 Liver transplantation		Aclasta®/Reclast® Corticost.-induced osteoporosis	
AEB071 Psoriasis			
HGH191 Growth hormone def.			

- ¹ Licensed from Arrow Therapeutics
² Respiratory syncytial virus
³ Severe community acquired pneumonia
⁴ Licensed from SeBo GmbH
⁵ Systemic onset juvenile idiopathic arthritis
⁶ Licensed from Human Genome Sciences
⁷ Prevention of postmenopausal osteoporosis

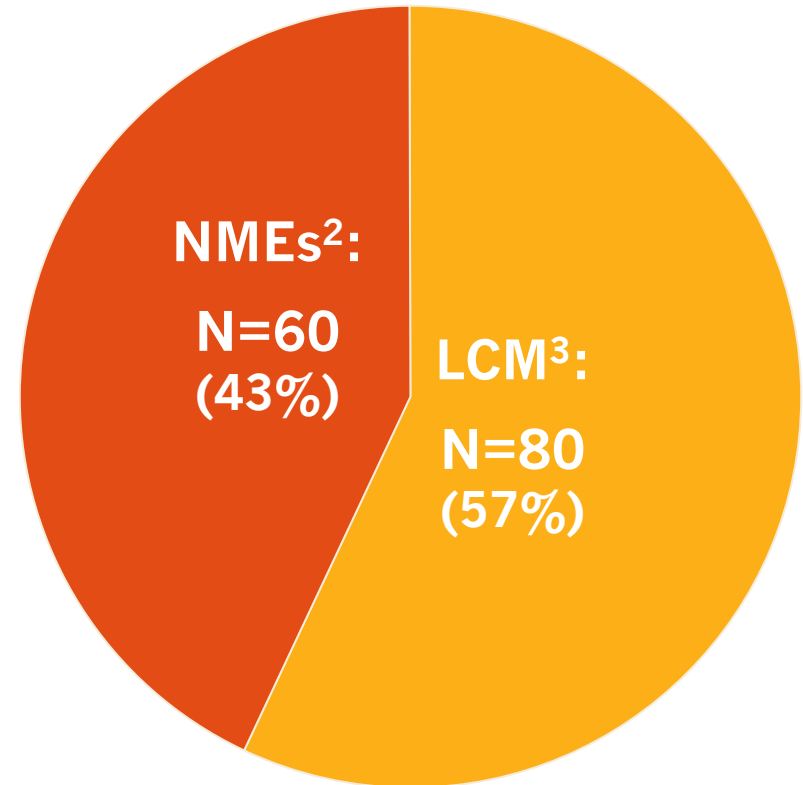
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A stronger clinical portfolio

Jan 2001: 81 projects¹



Today: 140 projects¹



¹ Projects are defined according to KMR criteria. (Leading to a separate regulatory filing), Phase I to Registration

² New Molecular Entity

³ Life Cycle Management