

# Clonal Selection with RAS Pathway Activation Mediates Selective FLT3 Inhibition in Acute Myeloid Leukemia

Cancer Discovery

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polyclonal Heterogeneity: The New Norm for Secondary Clinical Resistance to Targeted Monotherapy in Relapsed Leukemia?. <i>Cancer Discovery</i> , 2019, 9, 998-1000.	7.7	5
2	Targeting Tyrosine Kinases in Acute Myeloid Leukemia: Why, Who and How?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3429.	1.8	39
3	Gilteritinib or Chemotherapy for Relapsed or Refractory <i>FLT3</i> -Mutated AML. <i>New England Journal of Medicine</i> , 2019, 381, 1728-1740.	13.9	796
4	Gilteritinib for the treatment of relapsed and/or refractory <i>FLT3</i> -mutated acute myeloid leukemia. <i>Expert Review of Clinical Pharmacology</i> , 2019, 12, 841-849.	1.3	14
5	CD123 as a Therapeutic Target in the Treatment of Hematological Malignancies. <i>Cancers</i> , 2019, 11, 1358.	1.7	98
6	FGFR Signaling as a Candidate Therapeutic Target for Cancers Resistant to Carbon Ion Radiotherapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4563.	1.8	12
7	MRD evaluation of AML in clinical practice: are we there yet?. <i>Hematology American Society of Hematology Education Program</i> , 2019, 2019, 557-569.	0.9	27
8	Invariant patterns of clonal succession determine specific clinical features of myelodysplastic syndromes. <i>Nature Communications</i> , 2019, 10, 5386.	5.8	53
9	Identification of Two <i>DNMT3A</i> Mutations Compromising Protein Stability and Methylation Capacity in Acute Myeloid Leukemia. <i>Journal of Oncology</i> , 2019, 2019, 1-8.	0.6	3
10	Methyltransferase <i>DNMT3B</i> in leukemia. <i>Leukemia and Lymphoma</i> , 2020, 61, 263-273.	0.6	6
11	Single-cell analysis based dissection of clonality in myelofibrosis. <i>Nature Communications</i> , 2020, 11, 73.	5.8	46
12	<i>FLT3</i> mutations in acute myeloid leukemia: Therapeutic paradigm beyond inhibitor development. <i>Cancer Science</i> , 2020, 111, 312-322.	1.7	124
13	Single-cell sequencing in hematology. <i>Current Opinion in Oncology</i> , 2020, 32, 139-145.	1.1	15
14	Resistance Mechanisms to SYK Inhibition in Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2020, 10, 214-231.	7.7	27
15	Molecular Pathways and Potential for Targeted Therapies in the Treatment of Early T-cell Precursor Acute Lymphoblastic Leukemia. <i>Advances in Molecular Pathology</i> , 2020, 3, 41-48.	0.2	0
16	Clonal evolution of acute myeloid leukemia revealed by high-throughput single-cell genomics. <i>Nature Communications</i> , 2020, 11, 5327.	5.8	208
17	Targeted Single-Cell RNA and DNA Sequencing With Fluorescence-Activated Droplet Merger. <i>Analytical Chemistry</i> , 2020, 92, 14616-14623.	3.2	9
18	Clonal evolution with acquisition of <i>BCR-ABL1</i> in refractory acute myeloid leukemia post therapy with <i>FLT3</i> -inhibitor. <i>Leukemia and Lymphoma</i> , 2020, 61, 3243-3246.	0.6	3

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19	Small-Molecule Fms-like Tyrosine Kinase 3 Inhibitors: An Attractive and Efficient Method for the Treatment of Acute Myeloid Leukemia. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12403-12428.	2.9	48
20	Molecular Mechanisms of Resistance to FLT3 Inhibitors in Acute Myeloid Leukemia: Ongoing Challenges and Future Treatments. <i>Cells</i> , 2020, 9, 2493.	1.8	49
21	MLL-menin and FLT3 inhibitors team up for AML. <i>Blood</i> , 2020, 136, 2369-2370.	0.6	2
22	Pan-RAF Inhibition Shows Anti-Leukemic Activity in RAS-Mutant Acute Myeloid Leukemia Cells and Potentiates the Effect of Sorafenib in Cells with FLT3 Mutation. <i>Cancers</i> , 2020, 12, 3511.	1.7	13
23	Phase 1 study of combinatorial sorafenib, <sc>G-CSF</sc>, and plerixafor treatment in relapsed/refractory, <sc>FLT3-ITD</sc>-mutated acute myelogenous leukemia patients. <i>American Journal of Hematology</i> , 2020, 95, 1296-1303.	2.0	22
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28	The critical roles of somatic mutations and environmental tumor-promoting agents in cancer risk. <i>Nature Genetics</i> , 2020, 52, 1139-1143.	9.4	73
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30	Single-cell mutation analysis of clonal evolution in myeloid malignancies. <i>Nature</i> , 2020, 587, 477-482.	13.7	304
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35	Activating JAK-mutations confer resistance to FLT3 kinase inhibitors in FLT3-ITD positive AML in vitro and in vivo. <i>Leukemia</i> , 2020, 35, 2017-2029.	3.3	27
36	Treatment-free remission in patients with chronic myeloid leukaemia. <i>Nature Reviews Clinical Oncology</i> , 2020, 17, 493-503.	12.5	33

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38	Cotargeting of XPO1 Enhances the Antileukemic Activity of Midostaurin and Gilteritinib in Acute Myeloid Leukemia. <i>Cancers</i> , 2020, 12, 1574.	1.7	10
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41	CXCR4 Inhibition Enhances Efficacy of FLT3 Inhibitors in FLT3-Mutated AML Augmented by Suppressed TGF- $\beta$ 2 Signaling. <i>Cancers</i> , 2020, 12, 1737.	1.7	8
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49	Advancing Cancer Research and Medicine with Single-Cell Genomics. <i>Cancer Cell</i> , 2020, 37, 456-470.	7.7	187
50	New developments in diagnosis, prognostication, and treatment of advanced systemic mastocytosis. <i>Blood</i> , 2020, 135, 1365-1376.	0.6	93
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60	Patterns of Resistance Differ in Patients with Acute Myeloid Leukemia Treated with Type I versus Type II FLT3 Inhibitors. <i>Blood Cancer Discovery</i> , 2021, 2, 125-134.	2.6	50
61	Genetic heterogeneity and clonal evolution in acute myeloid leukemia. <i>Current Opinion in Hematology</i> , 2021, 28, 64-70.	1.2	13
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63	Serine Biosynthesis Is a Metabolic Vulnerability in FLT3-ITD-Driven Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2021, 11, 1582-1599.	7.7	35
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83	Mechanisms of Resistance of New Target Drugs in Acute Myeloid Leukemia. , 0, , .		0
84	Traipsing Through Muddy Waters. <i>Hematology/Oncology Clinics of North America</i> , 2021, 35, 337-352.	0.9	0
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98	Single-cell sequencing technology in tumor research. <i>Clinica Chimica Acta</i> , 2021, 518, 101-109.	0.5	15
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111	Treatment of Relapsed and Refractory AML: Non-intensive Approach in Unfit Patients. <i>Hematologic Malignancies</i> , 2021, , 241-254.	0.2	0
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115	Genetic biomarkers of drug resistance: A compass of prognosis and targeted therapy in acute myeloid leukemia. <i>Drug Resistance Updates</i> , 2020, 52, 100703.	6.5	25
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119	The growing landscape of FLT3 inhibition in AML. <i>Hematology American Society of Hematology Education Program</i> , 2019, 2019, 539-547.	0.9	30
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129	Genomic Abnormalities as Biomarkers and Therapeutic Targets in Acute Myeloid Leukemia. <i>Cancers</i> , 2021, 13, 5055.	1.7	4
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132	BETing on rational combination therapy in mutant <i>FLT3</i> acute myeloid leukemia. <i>Haematologica</i> , 2021, 106, 931-932.	1.7	0
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134	Understanding FLT3 Inhibitor Resistance to Rationalize Combinatorial AML Therapies. <i>Blood Cancer Discovery</i> , 2021, 2, 113-115.	2.6	4
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148	Inhibition of BCL2A1 by STAT5 inactivation overcomes resistance to targeted therapies of FLT3-ITD/D835 mutant AML. <i>Translational Oncology</i> , 2022, 18, 101354.	1.7	9
149	Molecular profile of <i>FLT3</i> -mutated relapsed/refractory patients with AML in the phase 3 ADMIRAL study of gilteritinib. <i>Blood Advances</i> , 2022, 6, 2144-2155.	2.5	28
150	Identification of a dual FLT3 and MNK2 inhibitor for acute myeloid leukemia treatment using a structure-based virtual screening approach. <i>Bioorganic Chemistry</i> , 2022, 121, 105675.	2.0	10
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153	Activation of RAS/MAPK pathway confers MCL-1 mediated acquired resistance to BCL-2 inhibitor venetoclax in acute myeloid leukemia. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 51.	7.1	54

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155	Emerging Targeted Therapy for Specific Genomic Abnormalities in Acute Myeloid Leukemia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2362.	1.8	5
156	A novel approach for relapsed/refractory <i>FLT3</i> mut+ acute myeloid leukaemia: synergistic effect of the combination of bispecific <i>FLT3</i> scFv/ <i>NKG2D</i> -CAR T cells and gilteritinib. <i>Molecular Cancer</i> , 2022, 21, 66.	7.9	18
157	RAS activation induces synthetic lethality of MEK inhibition with mitochondrial oxidative metabolism in acute myeloid leukemia. <i>Leukemia</i> , 2022, 36, 1237-1252.	3.3	12
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159	Monitoring of Leukemia Clones in B-cell Acute Lymphoblastic Leukemia at Diagnosis and During Treatment by Single-cell DNA Amplicon Sequencing. <i>HemaSphere</i> , 2022, 6, e700.	1.2	8
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